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The INDUSTRIOUS HEN

Secretary of Agri
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December, 1916



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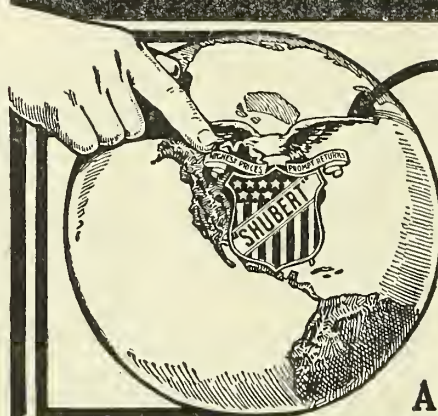
Roup starts as a simple cold in the head. The indications are watery eyes or nostrils, dirty beak, wheezing or coughing at night. Later the discharge becomes a thick mucus. A chicken cannot blow its nose. The nasal passages fill up. The face puffs out, the eyes swell shut, then death ensues. This disease is generally accompanied by "canker," a yellow or gray coating in mouth, throat or on tongue, which is similar to croup or diphtheria and is very contagious and fatal. The original cause is a damp or drafty poultry house, or extreme changes in temperature between night and day. A little Germozone in the drinking water generally prevents or checks these disorders right at the start and is especially valuable in preventing contagion. Sometimes individual treatment is necessary, but, with Germozone, the work is easily and quickly done and no long, tedious "doctoring" necessary.

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THE INDUSTRIOUS HEN

VOL. XIII.

LOUISVILLE, KY., DECEMBER, 1916

(Whole No. 140)

No. 7

THE "CHICKEN FEVER" WILL NOT DOWN

A Busy City Man Gives an Interesting Account of his "Ups" and "Downs" in the Poultry Business—He Succeeds with Brown Leghorns

By A. F. SWANK, Wilkes Barre, Pa.

THE fundamental reason for my choice was admiration. For, ever since I can remember I have admired "the little brown hen." I began breeding Brown Leghorns about fifteen years ago. I bought several hens and a cockerel at market and hatched one setting, but was forced to give up the work and dispose of my stock because of death in the family. The chicken fever, however, had not burned out—it was still smoldering, ready to blaze up at the first opportunity. This opportunity was not furnished until three years ago, when, after having attended a poultry show, a friend of mine offered to send me a setting of eggs. I jumped at the chance, as the feeling for the little brown hen came back stronger than ever. When he sent the eggs, he wrote that the man who sold them advised him to start with the pullet mating. This sounded like Greek to me, as I never before heard of "pullet" or any other mating. Nevertheless I hatched the eggs and the first time I saw my friend I asked him about pullet mating. He was as much in the dark as I. The only thing he could tell me was that a certain mating was used for exhibition pullets and another for exhibition cockerels. I want to say right here that the man who wishes to make a success of the chicken business must, when he runs up against a proposition like this, stiffen his backbone if he has one, and get busy. That is just what I did. I wrote to a large breeder and asked him to explain what was meant by pullet mating and cockerel mating. He wrote me a nice letter, but gave no information, saying that if I ever bought a setting of eggs or did any business with him, he would be very glad to explain everything connected with the mating system in detail.

I thought the chicken world to be a cold one. I was not discouraged, however, and wrote to the secretary of the American Single Comb Brown Leghorn Club for their year-book. With what I read there and the articles that appeared in the Journal, I began to get an understanding of the matter. I could write a whole story telling about my ups and downs until I learned the double mating system. What I wish to bring out is that the reason beginners give up Brown Leghorns is because the information on the subject is so scarce and had I not had the determination to see the thing through, I would have thrown the whole matter up before I really was started. Now I know that one of the principal reasons why I raise Brown Leghorns is because of the many interesting problems of breeding to be solved. Another reason for my being in the chicken business is because of my employment. I have found that confinement in the department store without any kind of relaxation is very monotonous and surely not the formula of good health. The short time that I find to spend with my chicks in the fresh air before and after working hours has been a source of pleasure and an aid of health to me. As a form of amusement I have found it even to surpass the very popular "movies."

As my last reason, I wish to emphasize the beauty of the breed. I believe all chickens are pretty, but when it

comes to a test of beauty, the Brown Leghorn is not only unsurpassed but stands also as unequalled. They are the cleanest bird of the poultry world, keeping themselves in show trim most of the time.

As for the chicks, they can be compared to chipmunks. Surely I have never met anyone who did not admire the chipmunk, as it frisks about a tree from limb to limb, full of life and natural beauty. So the brown chicks are from the time they are hatched until they are mature.

As for the amount of food consumed, the Brown Leghorns cannot be equalled for economy. I find that larger breeds consume from two to three times the quantity of food required by Leghorns.

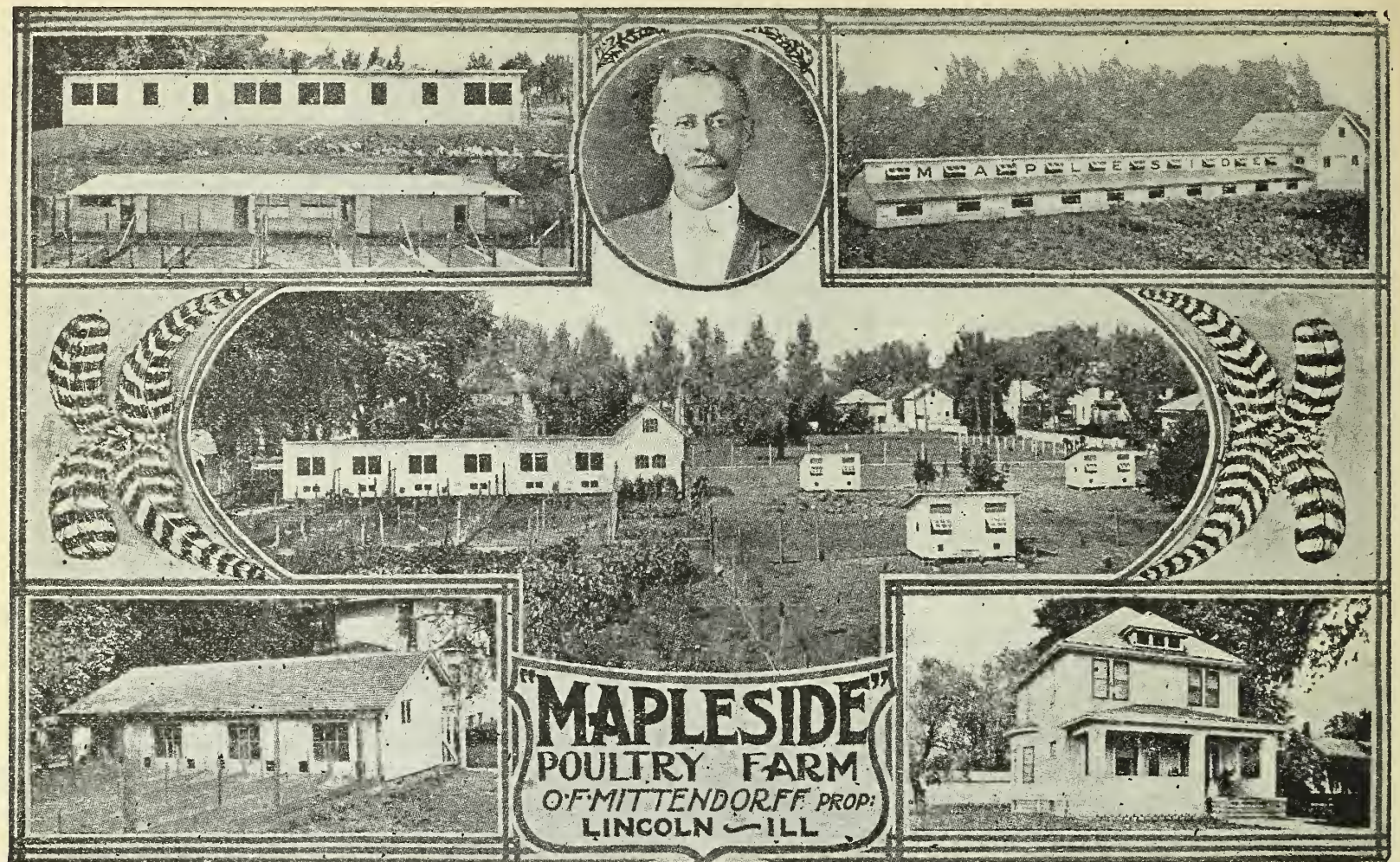
My advice to anyone entering the chicken business either



A Prize Winning White Wyandotte Female, bred and owned by Carrington Jones, Buntyn, Tenn.

for pleasure or profit is to try the Single Comb Brown Leghorn breed and to join the club at once, for I believe the members of the club will be his friends and very anxious to give him the benefits of their experience in advice as to how to derive the best results. The name and address of the secretary is G. S. Korell, 112 Jason avenue, Columbus, Ohio.

In conclusion I wish to say that I breed Single Comb Brown Leghorns because of my admiration of all that is beautiful and because of problems connected with their breeding and the satisfaction of solving them and producing the finest specimens. I have tried many forms of pleasure outside of working hours but derive the most genuine enjoyment from the time spent with, or in the interest of, my flock of Single Comb Brown Leghorns.



The above photo of "Mapleside Poultry Farm" as the camera took it, is the home of the world famed Bred-to-Lay Barred Plymouth Rocks. Mr. Mittendorff, Lincoln, Illinois, the proprietor, informs us he has had a very successful season, and as usual another year of high record laying. One pullet laying her 249th egg by September 18th. This record was made before she was 18 months old. His business extends from South Africa and Australia northward including the Hawaiian Islands, Alaska and England.

FIFTH ANNUAL REPORT NATIONAL EGG LAYING CONTEST.

Some High Records Made at Mountain Grove, Mo.—Barred Rocks Win Fifth Contest with a Record of 1185 Eggs.—S. C. White Leghorn Wins Individual Record with 275 Eggs to Her Credit.—All Hens Average 164.7 Eggs per Hen for the Year.

THE Fifth National Egg Laying Contest closed October 31, 1916, having been in many respects the greatest contest ever held at this place. All previous records were broken except individual. The leading pen was Barred Plymouth Rocks, owned by Wm. Lloyd, Kirkwood, Mo. The pen of five hens laid 1,185 eggs or an average of 237 eggs per hen. The highest previous record was by Single Comb White Leghorns with an average of 230 eggs per hen. The individual record was made by a Single Comb White Leghorn owned by Hollywood Farm, Hollywood, Wash., with a record of 275 eggs. The ten highest pens each averaged more than 218 eggs per hen while the five highest hens averaged 263 eggs each. There were 106 hens, or over 20 per cent of all in the contest, which laid 200 eggs or more during the year.

Following is a list of the ten highest pens for the year:

Pen.	Eggs.
69. Barred Plymouth Rocks.....Missouri	1,185
102. Oregons.....Oregon	1,159
25. S. C. White Leghorns.....Washington	1,101
8. S. C. White Leghorns.....Pennsylvania	1,100
59. R. C. Reds.....Missouri	1,099
27. S. C. White Leghorns.....Missouri	1,075
17. S. C. White Leghorns.....Texas	1,068
11. S. C. White Leghorns.....Kansas	1,063
49. White Wyandottes.....Michigan	1,059
46. White Wyandottes.....Texas	1,021

The five highest hens for the year are:

Hen. Pen.	Eggs.
3. 25. S. C. White Leghorn.....Washington	275
1. 69. Barred Rock.....Missouri	263
2. 25. S. C. White Leghorn.....Washington	262
3. 102. Oregon.....Oregon	260
2. 2. S. C. White Leghorn.....Missouri	257

The leading pens for the month of October are as follows:

Pen.	Eggs.
51. White Wyandottes.....Indiana	96
43. Silver Wyandottes.....Iowa	80
59. R. C. Reds.....Missouri	80
14. S. C. White Leghorns.....Illinois	77
46. White Wyandottes.....Texas	75
47. White Wyandottes.....Pennsylvania	75
102. Oregons.....Oregon	74

Following is a list of the leading pens of each variety where three pens or more of that variety were represented:

Pen.	Eggs.
69. Barred Rocks.....Missouri	1,185
25. S. C. White Leghorns.....Washington	1,101
59. R. C. Reds.....Missouri	1,099
49. White Wyandottes.....Michigan	1,059
56. S. C. Reds.....Iowa	1,027
75. White Plymouth Rocks.....Washington	1,013
43. Silver Wyandottes.....Iowa	985
82. Black Orpingtons.....Indiana	930
80. Buff Orpingtons.....Missouri	854
86. White Orpingtons.....Illinois	746

Following is a list of ribbons won by hens laying 200 eggs or over:

Hen. Pen.	Eggs.
3. 25. S. C. White Leghorn.....Washington	275
1. 69. Barred Rock.....Missouri	263
2. 25. S. C. White Leghorn.....Washington	262
2. 102. Oregon.....Oregon	260
3. 2. S. C. White Leghorn.....Missouri	257
5. 69. Barred Rock.....Missouri	245
5. 59. R. C. Red.....Missouri	245
1. 8. S. C. White Leghorn.....Pennsylvania	243
3. 38. S. C. White Leghorn.....Missouri	242
2. 46. White Wyandotte.....Texas	242
1. 17. White Leghorn.....Texas	238
1. 12. S. C. White Leghorn.....Oregon	237
1. 25. S. C. White Leghorn.....Washington	237
6. 27. S. C. White Leghorn.....Missouri	237
3. 27. S. C. White Leghorn.....Missouri	237
1. 56. S. C. Red.....Iowa	235
6. 8. S. C. White Leghorn.....Pennsylvania	234
2. 56. S. C. Red.....Iowa	233
1. 48. White Wyandotte.....Missouri	233
3. 11. S. C. White Leghorn.....Kansas	233
5. 11. S. C. White Leghorn.....Kansas	232
4. 75. White Rock.....Washington	232
3. 30. S. C. White Leghorn.....Missouri	231
3. 69. Barred Rock.....Missouri	230
1. 38. S. C. White Leghorn.....Missouri	230
3. 17. S. C. White Leghorn.....Texas	229
1. 40. S. C. White Leghorn.....California	228

Hen. Pen.		Eggs.
5.	1. S. C. White Leghorn..... Missouri	227
5.	10. S. C. White Leghorn..... Kansas	226
3.	96. S. C. Red..... Missouri	225
1.	102. Oregon..... Oregon	225
3.	102. Oregon..... Oregon	224
2.	17. S. C. White Leghorn..... Texas	224
5.	7. S. C. White Leghorn..... Pennsylvania	223
4.	99. Black Langshan..... West Virginia	223
4.	102. Oregon..... Oregon	221
1.	47. White Wyandotte..... Pennsylvania	221
5.	49. White Wyandotte..... Michigan	221
5.	102. Oregon..... Oregon	220
3.	70. Barred Rock..... Missouri	220
5.	17. S. C. White Leghorn..... Texas	219
1.	73. White Rock..... North Dakota	218
2.	52. S. C. Red..... Missouri	218
1.	71. Barred Rock..... Missouri	218
1.	46. White Wyandotte..... Texas	217
1.	43. Silver Wyandotte..... Iowa	217
3.	105. S. C. Red..... Pennsylvania	217
4.	11. S. C. White Leghorn..... Kansas	217
3.	7. S. C. White Leghorn..... Pennsylvania	216
1.	59. R. C. Red..... Missouri	215
3.	57. S. C. Red..... Wisconsin	215
2.	59. R. C. Red..... Missouri	215
2.	82. Black Orpington..... Indiana	215
4.	69. Barred Rock..... Missouri	214
2.	96. S. C. Red..... Missouri	214
3.	37. S. C. White Leghorn..... Missouri	213
4.	47. White Wyandotte..... Pennsylvania	213
6.	75. White Rock..... Washington	213
5.	8. S. C. White Leghorn..... Pennsylvania	213
5.	18. S. C. White Leghorn..... Kentucky	213
3.	24. S. C. White Leghorn..... England	213
2.	28. S. C. White Leghorn..... New York	213
1.	27. S. C. White Leghorn..... Missouri	212
6.	97. S. C. R. I. White..... Illinois	212
2.	98. S. C. Buff Leghorn..... Michigan	211
2.	78. R. C. R. I. White..... New Jersey	211
2.	49. White Wyandotte..... Michigan	211
3.	50. White Wyandotte..... Missouri	211
2.	57. S. C. Red..... Wisconsin	211
5.	100. Rhinelander..... California	210
4.	29. S. C. White Leghorn..... New York	210
2.	55. S. C. Red..... New York	209
3.	29. S. C. White Leghorn..... New York	209
4.	15. S. C. White Leghorn..... Indiana	209
3.	55. S. C. Red..... New York	208
5.	106. Barred Rock..... California	208
4.	12. S. C. White Leghorn..... Oregon	208
6.	17. S. C. White Leghorn..... Texas	208
4.	27. S. C. White Leghorn..... Missouri	208
1.	1. S. C. White Leghorn..... Missouri	207
2.	30. S. C. White Leghorn..... Missouri	207
4.	43. Silver Wyandotte..... Iowa	206
3.	47. White Wyandotte..... Pennsylvania	206
1.	49. White Wyandotte..... Michigan	206
1.	105. S. C. Red..... Pennsylvania	206
3.	83. Black Orpington..... Missouri	206
2.	70. Barred Rock..... Missouri	205
2.	8. S. C. White Leghorn..... Pennsylvania	205
5.	39. S. C. White Leghorn..... England	204
3.	6. S. C. White Leghorn..... New Jersey	204
6.	23. S. C. White Leghorn..... Ohio	203
1.	98. S. C. Buff Leghorn..... Michigan	203
3.	59. R. C. Red..... Missouri	202
5.	43. Silver Wyandotte..... Iowa	202
1.	77. Missouri White Fluff..... Missouri	202
3.	78. R. C. R. I. White..... New Jersey	202
3.	5. S. C. White Leghorn..... Connecticut	202
8.	14. S. C. White Leghorn..... Illinois	202
2.	24. S. C. White Leghorn..... England	201
2.	2. S. C. White Leghorn..... Missouri	201
1.	36. S. C. White Leghorn..... Missouri	201
3.	53. S. C. Red..... Missouri	201
4.	100. Rhinelander..... California	200
4.	56. S. C. Red..... Iowa	200
3.	50. White Wyandotte..... Missouri	200
2.	10. S. C. White Leghorn..... Kansas	200

Pen 51, White Wyandottes, Indiana, won the cup for the best record during the month of October, with a record of 96 eggs. The total number of eggs laid during the month by all pens was 3,480.

This is to certify that the above is a correct report of the monthly, individual and final report of the Fifth Egg Laying Contest conducted at the Missouri State Poultry Experiment Station, Mountain Grove, Mo., ending October 31, 1916. C. T. PATTERSON, Director.

THE TRI-STATE POULTRY SHOW.

The Ninth Annual Tri-State Poultry Show Held at Memphis was One of the Greatest Fall Shows Held in the Country.—Entries Came from All Parts of the United States.—Two Exhibits from California Traveled 3,500 Miles to Make the Show.



MEMPHIS can well claim the distinction of holding one of the largest and the best poultry shows in the South. The ninth annual show held by the Tri-State Poultry Association of Memphis, Tenn., set a high mark for early fall shows and attracted an entry list that would do credit to midwinter shows in any section. In spite of

extremely early dates, September 24 to 30, this Southern show filled class after class with extra good specimens in good show condition.

Memphis has become known as a show where the cash was worth the effort, and the game worthy of the breeder's best. The Tri-State Poultry Association of Memphis, Tennessee, Arkansas and Mississippi, operates in connection with the big Tri-State Fair and through its connection with the fair financial success is assured and makes possible a twenty-five cent entry fee and a premium list that runs into thousands of dollars. The association maintains the low entry fee to encourage farmers and amateurs that they may come out and learn by rubbing shoulders with the exhibitors who know. A careful censorship of all entries and the elimination of any exhibit that is of the buckster style keeps the show clean and on a sportsman-like basis. Through its policy of fair competition, square dealings and prompt payment of liberal cash prizes, the Memphis show now takes rank with the most staple and successful shows in the country.

One hundred and twenty-five exhibitors sent the best from their yards to the show in open competition. Two exhibits from California traveled thirty-five hundred miles to make the show. From Minnesota on the north to Florida on the south, nineteen States were represented.

Three sweepstakes of one hundred dollars each headlined the offerings. Over five hundred dollars in additional specials, nineteen silver cups and the American Poultry Association gold and silver medals made up a superior premium list.

The North and mid-West sent entries equal to their best and found that the South could hold its own. The Open-to-the-World Sweepstakes, for the best win in competition went to an Arkansas breeder. Second honors to Missouri. Well filled classes of worthy specimens had the judges working from start to finish. E. C. Branch handled Rhode Island Reds and all Mediterranean classes; J. C. Johnston all Plymouth Rocks, Wyandottes and Bantams; Chas. McClave, Orpingtons, Asiatics and miscellaneous classes, turkey and waterfowl.

The management of the Tri-State Poultry Association held a banquet at the Hotel Chisca on Wednesday evening, September 27. Covers were laid for one hundred and the attendance from local members and visiting poultrymen assured the officers that the banquet at Memphis is due to be a feature in succeeding years. Visiting exhibitors were well treated and remarked on the system and efficiency in all departments. To Superintendent Boyer they gave the credit where credit was due. With unfailing courtesy and ability he pleased both exhibitors and visitors alike.

Classes.

Regular and special classes were well filled in Barred Plymouth Rocks and Judge Johnston had to handle 234 specimens of the good old breed.

One hundred and eighty-seven White Plymouth Rocks made keen competition and when the awards were all in this class had furnished three grand champions. Best pen, best pullet and best cock, also best shaped specimen in show were White Plymouth Rocks.

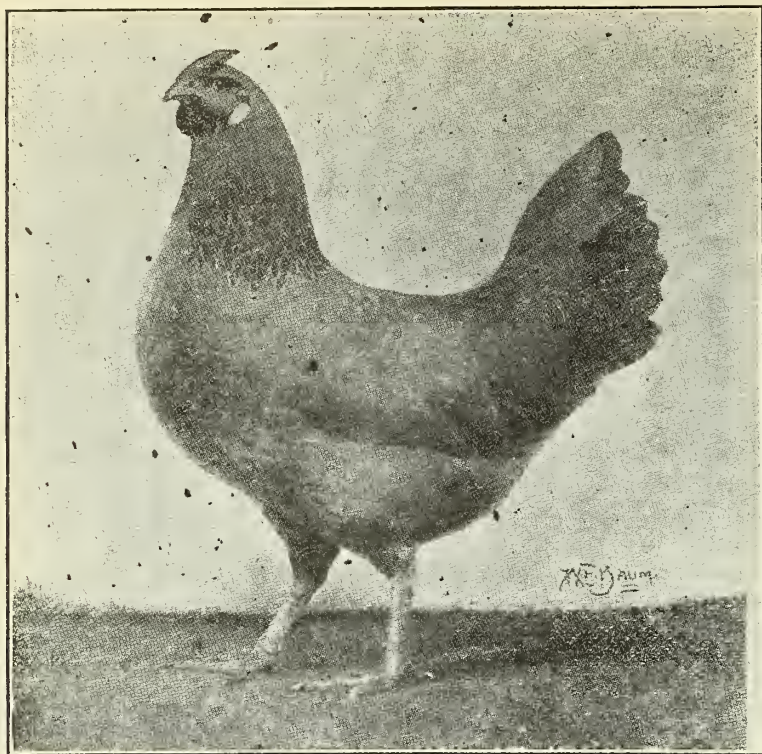
Rhode Island Reds showed a class of one hundred and sixty-seven and the winning specimens were top-notch in finish and color. Best cockerel in show and winner of American Poultry Association gold medal went to first cockerel in this variety.

Buff Orpingtons offered the largest class in the show with two hundred and forty-six Buffs, attracted by the club ribbons and Tri-State cash. Southern sweepstakes and the open sweepstakes went to an Arkansas string of Buffs.

Black Orpingtons showed a class of sixty-three high grade specimens. The winners in every class were good type and size, rich in sheen that makes the Black Orpington the handsomest fowl in the Standard.

The Asiatics were represented by full showing of Brahmas and Langshans. The Mediterranean by a hundred and sixty-six White Leghorns, thirty-nine Brown Leghorns, one hundred and thirty-three Black Minorcas and fifty-eight Anconas.

The pigeon display was a credit to the local pigeon association, for while the Tri-State Fair Association made no provisions for pigeons, the local fanciers cooped and handled the display on their own responsibility.



Rose Comb Brown Leghorn Hen, Dam of Pullet Winner of First and Sweepstake at the World's Fair, 1915; Bred and Exhibited by the Thoroughbred Poultry Yards, Dept. C, Evansville, Ind., Claire C. Worthington Owner and Manager.

VALUABLE POULTRY WORK AT EDGECOMBE TEST FARM.

The Value of Peanut Meal as Feed for Poultry as Shown by Work at the Test Farm Under Farm Conditions.

By B. G. KAUPP, Poultry Investigator and Pathologist, West Raleigh, N. C.

DURING recent years there has been a new industry developed. This new industry is that of the production of peanut oil. This has resulted in the increased acreage of the peanut crop of the South. In the manufacture of this oil there is left over the peanut cake which is sold as either nut cake or ground and sold as peanut meal. During the past year this meal has been sold on the market for \$1.50 per hundred pounds, while corn meal has cost \$2.00 and ground oats \$2.65 per hundred pounds.

In investigating the protein or muscle building content, we found that according to the analysis by two chemists, namely, Bolton and Revis, it contains 45.12 per cent protein, making it a high protein content feed. The other nutrients are oil 5.8 per cent, woody fiber 3.85 per cent, digestible carbohydrates 30.49 per cent, mineral matter 4.06 per cent.

The work in raising chicks will be given in this letter. The first flock was started on the 8th day of April, 1916, and were fed peanut meal, ground oats and corn meal, equal parts. This was mixed with sour milk (buttermilk), taking care to not make the mixture too wet (just nice and crumbly and mixed with the hand and not a stick) and fed four times a day. The chicks were given the run of the farm. The hens were confined in the combination setting and brooding coops. (These coops are described in Circular No. 6 of this office and have been put to a thorough test on the various test farms and found to be the best method of handling the hen with her brood.) At the end of eight weeks these chicks (White Plymouth Rocks) averaged 1.30 pounds each and had cost only nine cents worth of ground feed to each pound of chick.

The second flock was started on the same date and were fed corn meal, peanut meal and ground oats, equal parts, mixed with buttermilk and fed four times a day. The chicks were also given buttermilk to drink. At the end of eight weeks these chicks weighed 1.14 pounds. Each pound had cost five cents. It had required only 2.1 pounds of feed to produce one pound of gain.

The third lot was hatched on the 13th of April and were handled in the same manner as the former lots, being fed the same kind of feed and the same number of times a day. At the end of eight weeks these chicks averaged 1.36 pounds each and each pound had cost but ten cents.

It had required 2.8 pounds of dry feed to produce one pound of gain.

The fourth lot to report was hatched on the 11th of May, 1916, and were given the same feed and care as the former lots. At eight weeks of age these chicks weighed an average of 1.16 pounds each and each pound represented eleven cents worth of dry mash. It required 2.8 pounds of dry feed to produce one pound of gain.

We have run a total of twenty-seven test lots on this farm under farm conditions and these four examples are fair representative tests of this summer's work. It proves to us that peanut meal is a valuable feed for young chicks. From the fact that these excellent gains were made shows us conclusively that the young bird can and does utilize the high protein content of peanut meal. Control lots were run but are not given here.

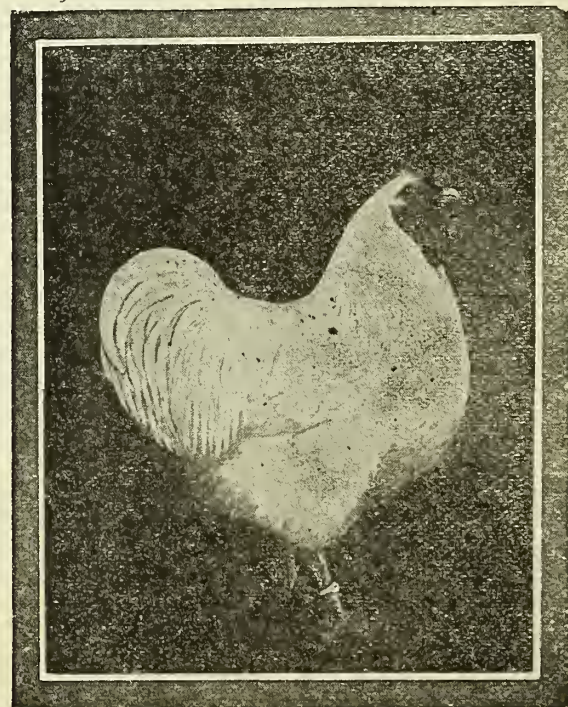
GEORGIA STATE FAIR POULTRY SHOW GREAT SUCCESS.

All Premiums Paid Before Close of Show.—This New Feature will be Carried Out Each Year.—Every Southern State Well Represented.

By F. A. GOODLIN.

ONE of the most successful and largely attended poultry shows held in the South this year was that of the Georgia State Fair, held at Macon, Ga., November 6-11. The show opened Monday with more than 1,500 birds on exhibition from many States. The show was in charge of B. E. Adams, of Columbus, Ga., and all breeders and exhibitors were high in their praise of the manner in which he coopered and handled the show. The poultry was judged by J. H. Drevenstedt, of Schnectady, N. Y., and the pigeons by E. B. Ulrich, of Reading, Pa. Julius H. Otto, president, and Harry C. Roberts, secretary, of the Georgia State Fair, were very busy during the show with their many duties, but never missed an opportunity to have a word with the exhibitors and stated that it was their plan to make the State Fair Show the greatest poultry show in the Southern States and wanted to co-operate with the breeders to this end. Plans are already under way for a great show in 1917 and all exhibitors present have promised that they would be back next season with a better string of birds than this year.

The show was thoroughly equipped with modern steel wire coops and the show room disinfected twice daily. Another feature which pleased the exhibitors was the paying of all premiums before the close of the show; this feature was established this year and it is the plan of the fair association to have the judging done the first day of the show and have all money ready not later than Thursday of show week.



"FASHION PLATE"

A Famous White Wyandotte Male, bred and owned by Chas. V. Keeler, Winamac, Ind.

The show this year was the largest and best in the history of the State fair and it is the plan of the association to make the 1917 show still larger and better, and to that end they ask the co-operation of all breeders.

The show this year was the official State show of the American Poultry Association and during the week the Georgia branch (Georgia Poultry Breeders Association) held its annual meeting and outlined plans for much active poultry work in this State during the coming year.

REPORT OF FIVE YEARS EGG LAYING CONTEST WORK.

During the Past Five Years at Mountain Grove, Mo., 401 Pens have been Entered, or a Total of 2,600 Hens, Coming from 37 States and Foreign Countries, Representing 47 Varieties.

By C. T. PATTERSON, Director Missouri State Poultry Experiment Station, Mountain Grove.



BEGINNING Nov. 1, 1911, and closing Oct. 31, 1916, five annual egg laying contests were conducted on the grounds of the Missouri State Poultry Experiment Station at Mountain Grove, Mo. During this time 401 pens have been entered, composed of 2,600 hens, from thirty-seven States and eight foreign countries, and representing forty-seven varieties of poultry. Some special contests have been held and a few pens dropped out during the progress of the contests. The ones here reported were in the regular contests and completed the year.

The 2,600 hens consumed 195,351 pounds of feed, of which about one-third was mash and two-thirds grain, and laid 391,326 eggs, which is about two eggs for each pound of feed consumed. Each hen averaged eating seventy-five pounds of feed and laid 150 eggs. It is worthy of note that the average price of one egg and one pound of feed were about the same—i. e., when eggs are one and one-half cents each, feed is one and one-half cents per pound, and when eggs are two cents each, feed is two cents per pound, etc. Therefore, costs, profits, etc., can be estimated better in eggs than in dollars. It will be seen that seventy-five eggs pay the average hen's feed for one year, and fifteen eggs are estimated to pay other costs except labor. The ninety eggs pay for feed and maintenance, and the hen which lays 100 eggs is ten eggs profit, the hen which lays 150 eggs is sixty eggs profit, and worth six times as much as the hen which lays 100 eggs.

There were 214 hens which laid less than seventy-five eggs per year, which is one out of every twelve hens which didn't pay for her feed. There were 305 hens which laid over 200 eggs per year, which is one out of every 8.5 hens which laid 200 eggs or over.

In order to determine the influence of certain characteristics on egg production, the following observations were made:

	Eggs per Y'r.
All white varieties averaged	156
All black varieties averaged	148
All buff varieties averaged	141
All parti-colored varieties averaged	133
All rose comb varieties averaged	147
All single comb varieties averaged	141
All varieties laying white shelled eggs averaged	141
All varieties laying brown shelled eggs averaged	137
All varieties with smooth shanks averaged	142
All varieties with feathered shanks averaged ..	114

The 2,600 hens weighed 12,958 pounds, or an average of five pounds each, but the average of the forty-seven varieties, one hen of each, was four and one-half pounds each. From the first to the last of the contests, all hens gained 1,422 pounds, or a gain of approximately one-half pound per hen. It was noted, however, that the hens were as heavy about the middle as at the end of the contest, which is accounted for by the moulting condition of the hens on November 1.

During the five years 265 hens died, which is a little over ten per cent. The hens which died weighed 1,392 pounds, and as 1,422 pounds were gained, the gain and loss almost balance, or in other words, if hens are kept and sold on November 1, the gain in weight is balanced by loss in birds. If hens are sold in June or July the loss is half and gain in weight just as much as in November.

There were 5,301 hens that went broody, or an average of two times for each hen in the contest. All varieties where hens averaged going broody four or more times averaged 132 eggs per hen, while the varieties having no broodiness averaged 125 eggs. The varieties going broody from one to four times laid highest averages of eggs.

The eggs by all different varieties averaged 24.8 ounces per dozen. It is interesting to note that the eggs by all varieties are nearer the same size than the hens which lay them. The White Plymouth Rocks are twice as large as the White Leghorns, yet they lay eggs about the same size.

The same houses and yards were used in all contests, the birds all being under the same conditions. The houses were of the shutter front type, having windows on each side with shutter ventilator in the center. The yards were 30x120 feet, with wheat for fall and winter green food and oats for spring. This could not be considered in the feed ration.

The feed ration in each contest was composed of both grain and mash, which totaled about two parts grain to one part mash. The ration which gave best results is as follows: Equal parts of cracked corn and whole wheat for grain food. Equal parts of ground oats, wheat bran, shorts or middlings, corn meal and beef scraps for mash, with one pound fine table salt to each 100 pounds of mash, and during the heavy laying season five pounds O. P. oil meal were added to each 100 pounds of mash. Grit, oyster shell and water were before the hens at all times.

The trapnests were visited by the attendant five to seven times per day, according to the season of the year.

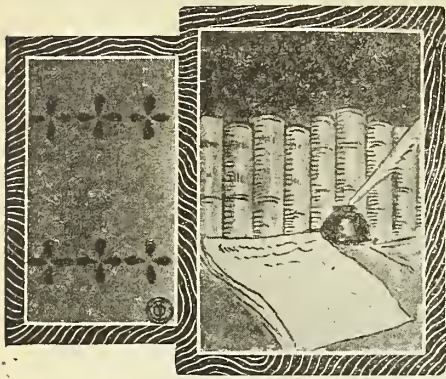
Two-thirds of the eggs were laid in the first half of the day and two-thirds of the eggs were laid in the first half of the year.

The yearly prizes for pens and individuals were as follows:

	Eggs Laid.	Av'g.
First Contest:		
Pen—Rose Comb Reds	1,043	208
Individual—White Rock	281	...
Second Contest:		
Pen—Single Comb White Leghorns	2,073	207.3
Individual—Rose Comb White Leghorn ...	261	...
Third Contest:		
Pen—Single Comb White Leghorns	2,304	230.4
Individual—Single Comb White Leghorn ..	286	...
Fourth Contest:		
Pen—Barred Rocks	1,050	210
Individual—Buff Wyandotte	247	...
Fifth Contest:		
Pen—Barred Rocks	1,185	237
Individual—Single Comb White Leghorn ...	275	...



A flock of S. C. Rhode Island Reds on the farm of W. H. Farrar, Chattanooga, Tenn. Look up his advertisement in this issue and get his prices on stock and eggs.



EDITORIAL CORRESPONDENCE

Start Your Advertising in January.

IF YOU want your share of the business this season you should start your advertising in January, as the next six months are the best in the year for making sales. If you overlook this opportunity you will lose the entire season. Stock, eggs and baby chicks will be bought in large numbers at this time. On account of poultry and eggs being so high, lots of people will be influenced to go into the poultry business this year. For this reason, we hope every reader and advertiser in the Hen will be able to take care of this increased business and reap his share of this rich harvest. At the present time eggs are selling at 65 cents per dozen on the Eastern market. At this price, it gives the poultryman a chance to realize a great profit from his flock of birds. Right here in the South, we know of many poultry raisers shipping all their eggs to this market. Even at this time while feed is high, the poultry raiser has a chance to make greater profit than any time in the past.

Now is the time to start your advertising in the Hen and make the sales during the next six good selling months. We are keeping in touch with our advertisers and they are reporting more sales for stock than they can possibly fill. There seems to be a great shortage in young stock and of course there will be a shortage in hatching eggs this season, as well. The poultryman who has stock to sell can find a ready market for same through the Industrious Hen just now. You cannot expect to sell if you do not advertise. Let the public know what you have to offer and you will get a sale for it, and at a good price. Do not let another month pass without advertising, but get your copy to us early, for January.

The Industrious Hen Produces Results.

WHEN an advertiser spends his money for space in any paper he wants results and unless this paper produces the desired amount of inquiries and sales, the money spent is a loss to him. We are well pleased with the results the Industrious Hen is producing this season, and taking our advertisers as a whole, we think they are more than pleased with the sales and inquiries the Hen is producing for them.

In our opinion the coming season will be one of the best ever experienced in the South and every poultry breeder should make it a point to go after this business and spend a con-

servative amount for advertising during the coming year, or at least for the coming six months. Let the amount of money spent for advertising be held down in proportion to the amount of stock and eggs you have for sale. It is foolish to spend \$100.00 in advertising, when you have only this amount of stock and eggs to dispose of. This is where a great many really make mistakes. They are not conservative enough in regard to the advertising end. We could give you some valuable advice on advertising that would save thousands of dollars for poultry raisers. Be conservative in the amount of money you spend and know that the paper you use has a good circulation covering your field and will produce results.

The only way to judge a paper is by the way it produces sales for other breeders. We have given you proof time and time again that should convince you that the Hen will produce splendid results. We have hundreds of unsolicited letters of testimonial, but we have not the time or space to publish them all. J. R. Skaggs, of Magnolia, Kentucky, breeder of S. C. White and Brown Leghorns, S. C. Rhode Island Reds and Black Minorcas, writes us on November 25th as follows: "Enclosed find check for November advertisement. I shipped a pen of White Leghorns, containing ten hens and a cockerel to Georgia last week through the Industrious Hen. Customer well pleased. Am now getting lots of inquiries for eggs and baby chicks. Have sold all of the Minorcas."

This breeder's advertising in the Industrious Hen is a profitable investment for him, because he is making sales and getting lots of inquiries for eggs and baby chicks. Such results not only please the advertiser but us as well, to know that the old Hen really scratches and lays all over the South. Do not fail to get your copy for your January advertisement to us as early in December as possible. You can get the same good results and we can really help you make your poultry business pay you during the coming year.

Mate Your Breeding Pens Now.

ALL breeding pens should be mated now, especially if you expect to get any early birds out for the fall fairs and poultry shows next year. A great many of our advertisers are reporting sales of hatching eggs right now. Thousands of baby chicks and eggs will be sold in the South during December and January and unless you are prepared to take care of the early orders you will

be compelled to pass them up and some one else will get the business.

In mating up your pens, great care should be exercised, not only in order to get exhibition and heavy laying birds, but for health and vigor as well. Do not overlook these important points and do not expect to mate two blue ribbon winners and produce the required results, because if you do, it will be an accident. Study your birds and compare their strong and weak points and mate accordingly. Study your matings carefully and do not use a bird that shows a lack of vitality or is not in perfect health.

The Big Louisville Show.

THE Ohio Falls Fanciers Association will hold their annual show, January 8-13, 1917, and indications point that this will be the largest show ever held in Louisville. The show held last season was one of the greatest ever held in the South, and drew entries from all over the South. The Louisville show is known as one of the National shows and to win here will mean a great deal to any breeder.

We want to see every breeder and fancier in the South here with a large string of birds; if it is impossible to send a fine string of your best birds, send a few and if you carry away one blue, it will be worth more than a dozen blues at some smaller show. The awards will be placed by Pickett and you can expect to get a fair deal. Be sure to write A. W. Haller, 103 W. Market St., Louisville, Kentucky, for catalogue and entry blanks now and arrange to send as large a string of your best birds as possible.

Thousands of people will see your exhibits and you will find that Louisville is the best show in the South for making sales.

Death of Lewes P. Doerhoefer Shock to Many.

THE death of Lewes P. Doerhoefer, Proprietor of Bella Vista Farms, Anchorage, Kentucky, breeder of White Plymouth Rocks, came as a great shock to the poultry fraternity. Mr. Doerhoefer has gained quite a reputation as a breeder and exhibitor, having won at some of the largest shows in the country, including Crystal Palace Show and others. He was sick only two weeks with brights disease, dying on Sunday night, November 26th.

He was the son of the late Jno. T. Doerhoefer, who made millions of dollars as a tobacco dealer, but who later sold out to the trust. He is survived by his widow, Mrs. Ursula Doerhoefer, who has the sympathy of the entire poultry fraternity.



Under this heading "Pick Ups Here and There," we will give our readers each month clippings from our exchanges that we think will interest them.

Three-Year Egg Laying Contest.

NEW JERSEY has decided to have a unique contest for egg production. Farm and Fireside, in telling about it, says:

"New Jersey is planning for a new kind of egg laying contest and will appropriate \$3,000 annually for the maintenance of the contest. The contest will begin November 1, 1916, and close October 31, 1919.

"In this three-year contest each entry will consist of a pen of ten pure-bred pullets and a cockerel. With the use of trap nests careful records of the egg production of each female bird and of her progeny will be kept. From these records the investigators expect to be able to determine some of the important principles governing breeding and inheritance in poultry, particularly as they apply to egg production. Competition is open to all poultry raisers throughout the world. Besides Dr. J. G. Lipman, director of the New Jersey Experiment Station, and his poultry experimental workers, there will be an international advisory board of sixteen men prominent in poultry work, representing Canada, Connecticut, Maine, California and New Jersey."

Inherited Diseases.

Some flocks are never thrifty. Disease seem to appear without apparent cause, and the slightest exposure leads to roup or something allied to it. We have known whole flocks to escape roup when all the birds belonging to a near neighbor were affected. Consumption, scrofula, bronchitis, asthma and such diseases are surely transmitted to the offspring of fowls as in the cases of animals. There is not enough attention given the selection of fowls with the view of preventing disease and avoiding the liability of hereditary transmission.

When roup appears in a flock, it denotes some organic weakness, and if it spreads rapidly to all the members of the flock, the indication is that the members are of the same family, and more readily susceptible to disease than some other flocks. It is safer to avoid using any birds for breeding purposes that have at any time been sick with a contagious disease, and by so doing the flock will in a few years be hardy and the difficulties lessened.—Ex.

R. I. Red Club to Meet at New York Palace Show.

This year the annual meeting of the Rhode Island Red Club of America will be held in connection with the Palace Show at New York City, December 5-9, 1916, and will convene

Wednesday, December 6 at 3 o'clock, p. m. I. W. Bean will judge the Single Comb Reds and Frank H. Davey the Rose Combs. Extremely liberal prizes are being offered and it promises to be one of the best Red shows ever held. Breeders from near and far can well afford to send a string of Reds to the Palace this year. For premium list address Empire Poultry Association, Mineola, N. Y.—Rhode Island Red Journal.

Cement Floors.

Cement floors are very cold in winter, but they prevent rats. Board floors, however, serve as harboring places for the vermin. A cement floor, covered with dry earth, with cut straw used liberally in the floor also, is no doubt as good as any. Earth floors, or sand, become filthy after awhile, while the whole mass must be dug out and shoveled away, and a load of new earth added. Cement or board floors can be daily

swept off with a broom if they are kept covered with dry earth.—Poultry Record.

A Chicken Shower.

A chicken shower was the novel plan adopted by school children at Hallsville when funds were needed for some new books for the library. Each child brought a chicken to school, then all marched to nearby poultry buyers, where the fowls were converted into a substantial contribution to the library fund.—Useful Poultry Culture.

We will give you a pen of pure bred birds absolutely free. Let us tell you how—you can select any variety you want.

BROWN FENCE
13' Per Rod Up

FREE!

Save Big Money on Poultry Fence! Get my big new Book Free! 150 Styles. Also Gates and Steel Posts. Direct from factory, freight prepaid.
SEND ME YOUR NAME, NOW!
Brown Poultry Fence outlasts chicken netting 5 times, yet costs no more. Heavy **DOUBLE GALVANIZED** Wire close spaced. No top or bottom boards needed. Get Free Book and Sample to test.
THE BROWN FENCE & WIRE CO.
DEPT. 837 CLEVELAND, OHIO

S. C. WHITE ORPINGTONS

Won 1st and 4th pullet, 2d, 4th and 6th cockerel and 1st pen, grand champion hen, all breeds competing, also grand champion pullet, 1915, Tri-State Fair, Memphis, Tenn. Many extra fine cockerels now at half what they will cost when breeding season starts. Hurry before too late.

R. P. DORRIS,

PARIS, TENNESSEE

ROSE COMB REDS

Eggs half price for balance of season. A few high class breeders cheap to make room. Get our prices before you buy. No sale unless you are satisfied.

MRS. H. R. NUSZ & SON

Box 1. H.

Cecilian, Ky.



MAPLESIDE "Bred-to-Lay" Barred Plymouth Rocks

ACKNOWLEDGE NO SUPERIORS AS LAYERS

About 2,000 1916 hatch stock, including the grandest lot of Pedigreed Breeders I ever offered, having ancestry back of them with yearly egg records up to 297.

Circular of facts free.

O. F. MITTENDORFF,

Box M,

Lincoln, Ill.



FOUR JUDGES in FOUR YEARS

YET THE

Regals Keep Winning AT THE NEW YORK STATE FAIR

Under Judges Drevenstedt, Cleveland, Graham and Atherton, the result has been the same. This year my birds were again awarded the GRAND PRIZE which was the Manning Cup for the best ten birds in the show (final possession).

My total win was Cocks, 1, 2, 3, 4, 5; Hens, 1, 2, 3, 5; Cockerels, 1, 3, 4, 5; Pullets, 5; Pens, 1, 4, 5. Best display for the eleventh time. Under four of the best Wyandotte Judges in America my birds have proved to be far in advance of my competitors.

My customers do just as well—scores of reports have been coming in from all parts of the country. At the Canadian National Exhibition the bulk of the premiums in White Wyandottes were won on Regal stock bred by customers. The following winnings have been reported to date: Cocks, 3; Hens, 2, 3, 4; Cockerels, 1, 2, 3; Pullets, 1, 2, 3, 4.

If you want to make a success of your White Wyandottes, get Regal stock.

5000—Cocks, Hens, Cockerels and Pullets for sale—5000

SPECIAL—To make room for young stock I am offering 30 special value pens at \$25, \$35 and \$50; also fifty early hatched cockerels at \$10 each. In writing state whether you want birds of exhibition or Dorcas breeding.

FREE—Send for catalogue and sale list, giving description of several hundred breeders I am offering for sale.

Send one dime for the Regal White Wyandotte Book, telling all about White Wyandottes.

JOHN S. MARTIN, Box 911, Port Dover, Canada



SOUTHEASTERN NOTES and COMMENTS

By D. R. McBRAYER, Mooresboro, N. C.

MERRY Christmas and a Happy New Year to everyone and may this season—the one that gladdens the hearts of all, bring peace on earth and good will toward men in Europe, as it is in our dear old America today. We feel sure that the large army of readers of the "Industrious Hen" joins us in hoping that there may be a way provided to stop this terrible slaughter of humanity as it rages in Europe today.

The fall just past has been an unusually beautiful one. Indian summer showed up at its best and everyone seemed to enjoy the grand weather of October and November. We had tomatoes and corn from our home garden until the middle of November and snap beans until after November 1st. This beautiful weather, however, has served another purpose, that of bringing the pullets to maturity in good shape. Ours are beginning to lay and are a healthy looking bunch. If we fail to make some money on them it will be our own fault.

It has been a long time since we had a more pleasant surprise than was ours a few days ago when a man walked up to our office window and handed me his card which read as follows: Chas. T. Cornman, Carlisle, Pa. We had never met Mr. Cornman, although we had had quite a little business with his magazine which we have taken for many years. Mr. Cornman spent several hours with me and I enjoyed talking "poultry" and the poultry outlook over with him very much. Mr. Cornman, although a somewhat frequent visitor South, expressed much surprise and admiration at the grand old weather we were having in North Carolina and also at the beautiful roses which were in full bloom when he was here in early November. He expressed it in these words: "Why I had rather stand in that flower garden and admire those roses than have my dinner. A profusion of extremely large and beautiful roses when our bushes at home have been dead for weeks is almost beyond comprehension." We hope Mr. Cornman will make his visits South more frequent and that he will make us a longer visit soon.

Do not be a crank on any subject is good advice and especially to some of the poultrymen of the country today. They have gone "utility crazy." Yes they sacrifice everything for utility and we are led to believe that they fail in many instances to get that. We believe in large egg yields to a certain degree, yet we are not willing to give up everything for that. We admire a bird that is bred reasonably close to the standard requirements, and believe that such birds may be bred to lay a satisfactory number of eggs. Many of the so-called

utility men have sacrificed beauty and everything else most, in their mad cry for eggs and more of them, and in many instances they have not only found that these birds have laid no more eggs than their former birds, but they have also found that they have a lot of mighty poor looking birds on their hands. Don't be an extremist on anything. Breed for a combination of eggs and beauty. Play safe and you will find the road to success much surer than the fellow who cries "utility," "utility" from morning until night.

This cold December month will test one's love for the work of caring for the poultry. Unless we really do love the work and take an interest in it we are apt to neglect some very important phases of the winter care of the poultry. It is not so hard to feed the hens at seven o'clock in the warm weather, but it requires genuine love and interest to roll out of a warm bed and have the hens busy with the morning meal and the water pans filled by seven o'clock on a cold, snowy December morning. Yet this is what must be done if we expect to get results, and that is what we must have in these days of high-priced grains. "Go to it," as we sometimes hear the expression. Only a few weeks and the egg trade will be at its height and you won't mind the work for there will be money in your pocket. Don't give up now, success lies just ahead.

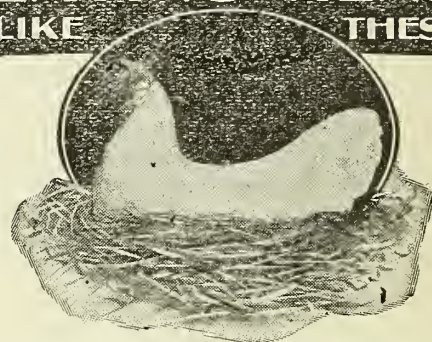
As winter closes in the hens will need to be made to exercise and keep

warm if we expect them to lay. Have the floors covered with four or five inches of clean, dry straw and see that all the grain is hid in this. Don't use damp litter it will cause sickness. Allow the birds outdoor exercise on sunny afternoons as it will do them good. Have plenty of fresh air in the houses but no drafts.

And what about your own health? Are you taking care of yourself as you should? Do you sleep with your windows wide open? We have taken the sash out of our bedroom windows and sleep with the whole opening bare, except on stormy nights when the blinds are closed. Don't sleep with your bedroom windows closed if you expect to keep in health. Open them wide, or better still, get out in the open porch and sleep there.

Many poultrymen will start their incubators this month and if you have a good colony stove brooder you would do well to start a hatch now. Chicks hatched in early January win the "blue" at early fall fairs, and too, there is money in broilers for the early market. Get a hatch off in January if you can care for them is my advice.

LAYING HENS LIKE THESE



SINGLE COMB WHITE LEGHORNS
Get our prices on stock, eggs and baby chicks before placing your order elsewhere. Address:
M. G. Sanger & Son, Mt. Solon, Va.

WHITE PLYMOUTH ROCKS

Our birds won as follows at the Tri-State Fair, Memphis, 1916: 1st young pen, 4th old pen, 4th cock, 4th pullet in competition with World's Fair Champions. Write us for prices on stock or eggs.
Mrs. Ira Johnson, COUNTY AVE. POULTRY FARM, Texarkana, Arkansas

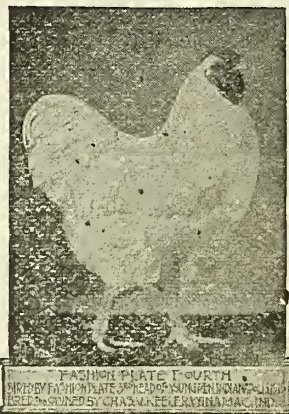
KEELER'S

VIGOROUS WHITE

WYANDOTTES

THE ARISTOCRATS OF THE WYANDOTTE WORLD

—WON FIVE FIRSTS AT CHICAGO, 1916—



1st Cock, Chicago, 1916.

Before you buy a single White Wyandotte send for my large, new instructive catalogue giving the full history of my birds—**The World's Greatest Strain**. A winning and breeding record of 23 years will convince you that I not only have birds that will win in any show room, but will also fill the egg basket, some of my birds laying as high as 265 eggs per year. My prize winning females are selected from among these layers.

2,000—BIRDS FOR SALE—2,000

Females \$5.00 to \$25.00; males \$5.00 to \$35.00. Limited number extra choice \$50.00 each. Breeding pens \$25.00, \$35.00 and \$50.00. Show pens \$50.00, \$75.00 and \$100.00. Nineteen—seventeen breeding pens mated December 15.

**YOUR WISEST ACT BEFORE BUYING
IS TO SEND FOR MY CATALOGUE**

CHAS. V. KEELER,

R. F. D. No. 22

Winamac, Ind.



TURKEY & WATER FOWL DEPARTMENT

This department is conducted by Mrs. J. C. Shofner, Mulberry, Tenn., and any questions that you wish to ask will be answered through this department, if addressed to Mrs. Shofner. If a personal reply is wanted, enclose a stamped envelope.

Selecting Breeding Stock Turkeys.

THIS is a very important time to think about selecting your breeders for another year. We should select our best to keep for breeding stock, regardless of the big offers made for them. We also, should not mind paying a reasonable price for good birds to introduce new blood into our flocks, for this must be done with turkeys—whether for fancy show birds or for the market—to insure vigor and hardiness in the offspring. We should look to our future crop and expect “like to produce like.” If we are only raising for the slaughter market, it does not matter what color they carry, just so they have the weight and size. After they are dressed and ready for the table, who knows what color its feathers were—just so they are fat and plump.

Now all classes of breeders want large, vigorous, healthy toms mated to well developed pullets or hens, one or two years old. In this climate, we want them to begin laying about March 10th to 15th and get off a clutch of poults between April 25th and May 15th. This gets the poults off early enough to get them started on range before the continued spring rains begin. They can shift for themselves better and do not have to be housed to keep them dry. For fancy show turkeys we must have the fancy points in plumage as well as typical shape and good size in the breeding stock, if we hope to win ribbons with the offspring. With the bronze variety, which is the largest in size and the most popular breed raised, we should strive to have all the beautiful copper bronze possible throughout surface, with white lacing and edges, tail penciling correct, with primary wing barring, even to tips of feathers, as well as the broad black bands and white tail edging.

Other varieties, White Holland, Narragansett, Bourbon Red, all have their particular types and different colors, and in the show room a judge must be governed by the rules and regulations in the Standard of Perfection. Every breeder of fancy fowls should have a copy and learn to select their own breeding and show birds. It can be bought from the Industrious Hen Co. After selecting one's breeding stock and raising a nice lot of young ones, there is something else to do, that is to dispose of them at a fancy price. We must let some one else know what we have. We must advertise in some good journal, and don't be too stingy to take enough space to attract the attention of some other breeder who wants to buy. Do

not advertise that which you cannot fulfill, if you mean to stay in the business, for I find that my best advertisers are my turkeys and chickens coming up to exactly their representations by me. Year after year, my customers, over thirty-seven States and Canada attest and give me their patronage.

Yesterday a lady came and bought a breeding tom from me, saying she had raised ninety fine, large thoroughbred Bronze turkeys last year, and just put them on the slaughter market; could not get any sale for them as breeders, while I could not nearly fill my orders. Could have sold a hundred more than I had and I raised two large flocks myself. Why this difference? My turkeys were advertised and her's were not. I do not believe one should let their advertising space cost more than their profits. If they have only a few for sale, advertise in the classified column and get your name before the public as a breeder and when you do raise a big flock advertise with a good display ad and reap the harvest of seed well sown.

Dixie White Wyandottes.

A great many people are under the impression that Southern bred birds can not win in our Northern shows, but Carrington Jones, Buntyn, Tennessee, breeder of Dixie Strain White Wyandottes, has made a number of large Northern shows, including Indianapolis and St. Louis, and has always won more than his share of the

prizes in the strongest competition. Mr. Jones informs us that he has a grand lot of youngsters for breeding and exhibition purposes, and we trust our readers will get in touch with him if interested in good Whites. His pens will be mated and he will be in a position to furnish hatching eggs by December 15th. In writing him be sure to mention this paper.

Scott's Anconas and Campines.

H. A. Scott, Proprietor Cedar Hill Poultry Farm, Cumberland City, Tennessee, breeder of Anconas and Silver Campines, starts his advertisement in this issue. He has had a very successful show season, having made three shows. Nashville, Memphis and Chattanooga, where he made practically a clean sweep on both varieties. To win at such shows as these, the largest in the South is pretty good proof of the quality of birds he is breeding. Get his prices on stock and eggs.



Champion White Wyandottes

Win in the show room and fill the egg basket. Stock for sale reasonable. Write for prices and Picture Folder. Whitedotte Poultry Yards, Frank Hamrick, Proprietor, Box B144, Shelby, N. C.



MAMMOTH BRONZE TURKEYS FOR SALE

Do you want stock from the largest and finest in the South, from prize winners at Madison Square Garden, World's Fair, Nashville and many other great shows? Two flocks, unrelated, to select from. Also Barred Rocks, stock and eggs. Write at once to

MRS. J. C. SHOFNER
Route 1
Mulberry, Tenn.

RINGLET BARRED ROCKS

Winners at the Kentucky State Fair, 1916. Old and young stock for sale at reasonable prices and guaranteed satisfaction or money refunded. Address

CHARLES KOONS BOX A CHARLESTOWN, IND.

S. C. WHITE LEGHORNS

50 high class cockerels for sale at reasonable prices. Trap-nested 200 egg strain. If you want high class breeding birds, write me at once. Satisfaction guaranteed or money refunded. Address,

JOE BAKER

ROUTE No. 1

EAGLE STATION, KY.



A TREAT FOR CHICKENS KENTY GRIT

The hardest and sharpest grit on the market. We ask you to compare Kenty Grit with others and then decide for yourself. More eggs and greater profit if you feed

Kenty Grit to your birds. Get it from your dealer or order direct.

Sample free. Address

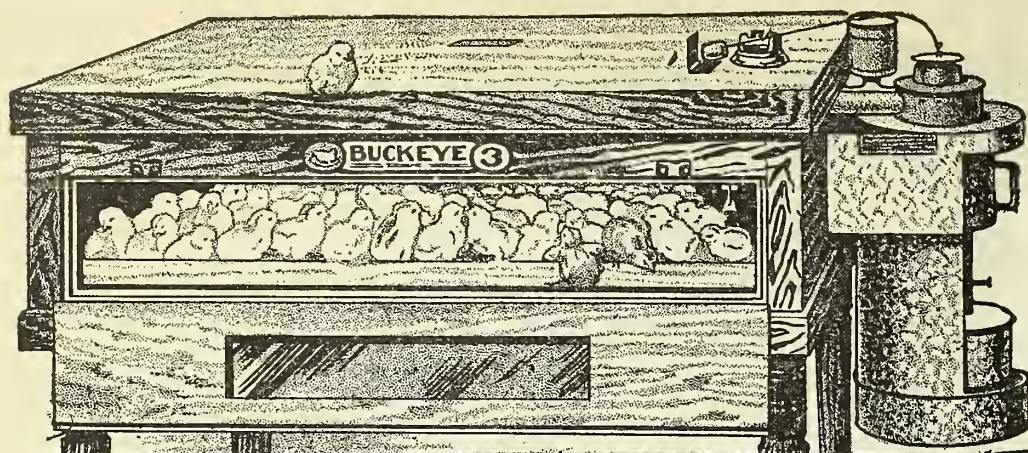
KENTUCKY LITHOGRAPH STONE CO.,

Incorporated

710 W. Main St.

Dept. A

Louisville, Ky.



BUCKEYE

The Best Incubator Made

*"Built up to a standard
--not down to a price"*

Experienced breeders don't *think* about the Buckeye. They *know!* The best for 25 years and still leading. Get a never-failing Buckeye and quit gambling with your eggs.

Even if you've never seen an incubator before, you can get successful hatches with the Buckeye. It works mechanically and *can't make a mistake.*

It's so automatic that all you have to do is fill the lamp and turn the eggs. It hatches with mechanical accuracy.

Here's What We Guarantee

You get more chicks, bigger chicks and stronger chicks with the Buckeye than with any other incubator. We *guarantee* this. We also guarantee the Buckeye to operate satisfactorily in any temperature down to freezing.

The Buckeye Incubator is used by nearly half a million big and little breeders and sold by over two thousand of the leading dealers. Recommended by all Agricultural Colleges and Experiment Stations. We built the incu-

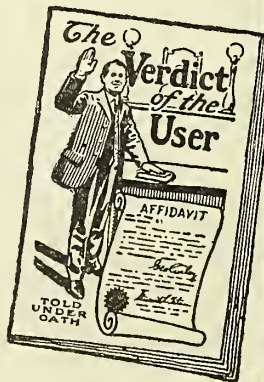
Agents Wanted

Some very
choice territory
open.
Write quick

bator first and thought of price afterwards. That's why it has quality so sky high the "copy cats" can't touch it.

7 Sizes-- 60 to 600 Eggs

Ask your dealer or write for our Catalog and "Verdict of the User"—a book of remarkable testimony—Free.



The Buckeye Incubator Co.

562 Euclid Avenue

Springfield, Ohio

Show Dates.

- Dec. 4-9—Wheatland, Ind.; Walter F. Scott, secretary.
Dec. 4-11—LaCrosse, Wis.; J. E. Kirchers, secretary.
Dec. 5-8—Johnsonburg, Pa.; H. I. Roussey, secretary.
Dec. 5-9—Amarillo, Tex.; W. W. McDonald, secretary.
Dec. 5-9—El Paso, Tex.; J. L. Wilson, secretary.
Dec. 5-9—New York (Palace); L. D. Howell, 168 Montague street, Brooklyn, N. Y., secretary.
Dec. 5-9—St. Joseph, Mo.; Fred Crosby, Mountain Grove, Mo., secretary.
Dec. 6-9—Charlotte, N. C.; H. C. Hulls, Route 10, Paw Creek, N. C., secretary.
Dec. 6-9—Etowah, Ala.; J. W. Bellinger, secretary.
Dec. 6-12—Rockville, Ind.; J. E. Smiley, secretary.
Dec. 7-8—Bridgeport, Ill.; T. G. Hill, secretary.
Dec. 7-12—Battle Creek, Mich.; John Conroy, 308 Ward building, secretary.
Dec. 10-17—Portales, N. M.; Jno. L. Reid, secretary.
Dec. 11-16—Corry, Pa.; L. M. Durham, secretary.
Dec. 11-16—Defiance, Ohio; George E. Miller, secretary.
Dec. 11-16—Marion, Ind.; O. D. Weisner, 1210 South Boots street, secretary.
Dec. 12-16—Streator, Ill.; E. J. Schroeder, secretary.
Dec. 12-16—Sun Prairie, Wis.; Leo L. Dott, secretary.
Dec. 12-16—Broken Arrow, Okla.; J. I. Lewis, secretary.
Dec. 13-16—Alexandria, La.; W. H. McCrackin, secretary.
Dec. 13-18—Chicago, Ill. (Coliseum); Theo. Hewes, Indianapolis, Ind.
Dec. 13-18—LaPorte, Ind.; J. Osborn Brink, secretary.
Dec. 14-16—Blue Mound, Ill.; George Ritchie, secretary; Klein, judge.
Dec. 14-20—Beloit, Wis.; Guy S. Lee, secretary.
Dec. 18-22—Lake Preston, S. D.; C. W. Lance, secretary.
Dec. 18-23—Jenera, Ohio; A. E. Welch, secretary.
Dec. 19-22—Mitchell, Ind.; Henry Godfrey, secretary.
Dec. 21-26—Forest Park, Ill.; R. C. Jamison, 1019 N-5, Maywood, Ill., secretary.
Dec. 3-week—Mukwonago, Wis.; R. J. Porter, secretary.
Dec. 19-22—Nashville, Ill.; W. R. Wright, secretary.
Dec. 26-29—Batavia, Ill.
Dec. 27-30—Sinking Springs, Pa.; Adam Stitzel, secretary.
Dec. 28-Jan. 3—Springfield, Ill.; A. D. Smith, secretary; Hale, Russel, Johnston, judges.
Dec. 29-Jan. 2—El Campa, Tex.; Dr. J. E. Kent, secretary.
Dec. 29-Jan. 3—New York (Madison); C. D. Cleveland, Eatontown, N. J., secretary.
Jan. 1-5—Hutchinson, Kans.
Jan. 1-6—Frankfort, Ind.; Henry Wolf, secretary.
Jan. 1-6—Kenton, Ohio; John P. Siemam, secretary.
Jan. 1-7—Marshalltown, Iowa; C. C. Lounsberry, 405 East State street, secretary.
Jan. 2-5—Union City, Pa.; E. C. Moshier, secretary.
Jan. 2-7—Rensselaer, Ind.; J. H. Webber, secretary.
Jan. 3-6—Chicago Heights, Ill.; A. E. Page, secretary.
Jan. 4-7—Fond Du Lac, Wis.; E. A. Sommerfeld, secretary.
Jan. 4-9—Dubuque, Iowa; Walter G. Hurd, 2222 Grandview avenue, secretary.
Jan. 8-12—Mason City, Iowa; B. A. Wisner, secretary.
Jan. 8-13—Brazil, Ind.; B. H. McCracken, secretary.
Jan. 8-13—Greenville, Ohio; T. A. Mendenhall, secretary.
Jan. 8-13—Johnstown, Pa.; R. Earl Penrod, 104 Union street, secretary.
Jan. 8-13—Kansas City, Mo.; E. L. Noyes, Manhattan building, secretary.
Jan. 8-13—Lafayette, Ind.; L. J. Munger, secretary.
Jan. 8-13—Morristown, Ind.; Frank Thayer, secretary.
Jan. 8-14—Evansville, Ind.; Claire Worthington, secretary.
Jan. 9-13—Boston, Mass.; W. B. Atherton, 36 Broomfield, secretary.

Jan. 9-13—Norfolk, Va.; L. C. Page, 123 Bank street, secretary.

Jan. 9-13—Wauseon, Ohio; Harry Merrill, secretary.

Jan. 10-16—Chicago, Ill.; D. E. Hale, 930 Monon building, secretary.

Jan. 16-19—Grand Rapids, Mich.; John Bowstrom, secretary.

Jan. 16-20—Greenfield, Ind.; O. W. Garriott, secretary.

Jan. 17-21—Ft. Wayne, Ind.; The Great Triangle Poultry Show; J. C. Hovenstein, secretary-treasurer; Geo. H. Northup, H. A. Pickett, C. E. George, judges.

Jan. 22-27—Denver, Colo.; W. C. Schuman, manager, 400 South Emerson.

Jan. 22-27—Marietta, Ohio; T. N. Fenn, secretary.

Feb. 8-12—Indianapolis, Ind.; Theo. Hewes, secretary, Indianapolis, Ind.

BUCKEYE INCUBATOR CO.

Secures Injunction Against Correct Hatcher Co. and Model Incubator Co.

JUDGE HAZEL, sitting in the United State District Court at Buffalo, N. Y., has ordered an injunction against The Correct Hatcher Company, of Leesville, Ohio, and The Model Incubator Company, of Buffalo, N. Y., restraining them from imitating the "Standard" coal burning brooder made by The Buckeye Incubator Company, of Springfield, Ohio.

It will be remembered that in January, 1915, Dr. S. B. Smith, of Cleveland, Ohio, invented and placed on the market a very successful coal burning brooder which he offered to sell on a money-back guarantee. This brooder was known as the "Standard" Colony brooder.

The "Standard" brooder met with a most remarkable success and attracted so much attention that The Buckeye Incubator Company, of Springfield, Ohio, induced Dr. Smith to give them the exclusive selling right for his brooder under a guarantee that they sell a large quantity of them every year. This contract was made in August, 1915, and in the fall of the same year The Correct Hatcher Company and The Model Incubator Company (both under the management of Charles E. Adair) placed an imitation of the "Standard" brooder on the market under two names. They called one brooder the "Model" and the other "Correct." Both were made in the same factory but they tried to make it appear that they were made by two different concerns.

The Buckeye Incubator Company brought suit against the Correct Hatcher Co., the Model Incubator Co., and Charles E. Adair, in the United States Courts for unfair competition, and after hearing a volume of testimony, Judge Hazel found the defendants guilty of unfair competition and restrained them from building or selling any more brooder stoves like the "Standard."

Judge Hazel says in his decision: "The defendants have not added to their stove any ornamentation of distinguishing marks, but have made a copy of complainants'. They have copied its form, height, proportion of converging sides, base sliding door, vertical rods and projecting thermostat arm—all the essential features of complainants' vendible article. Indeed, it was admitted, as heretofore stated, that in making their stove, patterns were taken from complainants' castings."

The testimony given at the trial showed that the defendants never built a coal burning brooder for at least four months after the "Standard" brooder has been placed on the market, and yet Mr. Adair and the defendant companies claimed to be the originators of the "Standard" design. After admitting, however, that they used the casting of the "Standard" stove to make the "Correct" and "Model" stoves, there could be no question as to who invented the "Standard" brooder.

The restraining order issued by Judge Hazel will not only prevent the Correct Hatcher Co. and the Model Incubator Co. from selling any more stoves like the "Standard," but it also placed the Buckeye Incubator Co. in a position to procure injunctions against any dealers in the United States who try to sell any they may have on hand.

STANDARD COLONY BROODER

Broods
100 to 1,000
Chicks

Price
Only \$16⁰⁰

A Little Higher in
the West on
Account of
Freight



→ PATENTED ←

The one practical, economical and safe brooder for all raisers. It's even better than the hen—it solves the whole brooding problem. Capacity, 100 to 1000 chicks; coal burning, (24 hours at one load)—self-feeding; everlasting; costs less than 6c a day to operate.

Write the Strongest Guarantee Yourself

Put it up to us, or any one of our 2000 dealers. Put in it all that a brooder should be, all that the best brooder in the world should do. We'll sign it. Then take the Standard on a 30 days' trial. If it doesn't come up to *your* guarantee, you get your money back.

That's the stiffest promise of complete satisfaction ever made, but we back it to the limit, and our responsibility is fixed.

Look at These Specifications

Solid cast iron stove; 52 inch galvanized hover; Two double-disc thermostats, tandem hitched; Rocker furnace grates, self-cleaning and anti-clog; Check valve hung on knife edge bearings; Gas proof—fire proof—fool proof; Guaranteed to burn more than 24 hours in any temperature with one coaling; Capacity, up to 1000 chicks.

Beware of Imitations. So far we have caught five competitors trying to imitate the "Standard." Make sure by looking for our name.

Get our "*Book of Proofs*" free. It tells what the users think of the Standard. True, it hasn't all the 10,000 satisfied owners, but there's enough to convince you. Write for it at once.

AGENTS WANTED Some good territory still open. An attractive proposition for the right man or firm.

The Buckeye Incubator Co.
565 Euclid Avenue Springfield, Ohio

SOUTHWESTERN NOTES AND COMMENTS

By MRS. J. F. VERMILLION, Rusk, Texas.

DECEMBER is here and though just at present down here in east Texas the weather is like summer, it may be winter tomorrow. In fact we had some real winter weather in October. Poultrymen throughout the Southwest are getting everything in readiness for their 1917 matings. The writer has several choice pens already mated up. We do not house our birds for winter as closely as is necessary further North. We have some severe cold spells in December, January and February, but they are usually of short duration.


Our great State Fair at Dallas, Tex., has come and gone and the victories in the show room have been won and the disappointments forgotten. The writer was not disappointed for the judges evidently had the same opinion of our Reds that we had. It was a great show and far surpassed any previous record, so great was the increase in number of entries that an additional building was used for the flocks and then the female birds were cooped two and three in a coop. The show was classified which was a new departure for Dallas, but I think this arrangement met with the approval of all exhibitors, in fact, I think everybody was satisfied with the entire arrangement and management of the show. Mr. Burton, superintendent, is to be congratulated upon the whole affair. All classes were well represented, but the Rhode Island Reds and Barred Rocks were the largest classes; this being the State show for both breeds. I have asked a Barred Rock breeder of prominence for a write-up of Barred Rock day, which was October 18, but have had no response from him. October 19 was Rhode Island Red day and though the weather had turned one of its famous Texas tricks and changed in the twinkling of an eye from summer to blustery winter, there was a big crowd of enthusiastic Red breeders present. All the morning was spent in the show room getting better acquainted and at 2 p. m. we assembled for a short program and business meeting. First on the program was a paper prepared and read by the writer, after which there were splendid talks by Mr. R. L. Penick, of Stamford, Texas; Clifford L. Jackson, of Muskogee, Okla.; Judge E. C. Branch, Lee Summit, Mo., and H. B. Savage, Belton, Texas., all of which were very helpful indeed. Election of officers of the Texas Rhode Island Red Club resulted as follows: President, Dr. S. C. Richardson, of Bryan; vice president, J. P. Henderson, of Aubrey, and secretary-treasurer, Mrs. J. F. Vermillion, of Rusk.

Every mail now is bringing us one or more show premium lists. Not in several years has there been as many

shows in good towns in Texas as there are this winter, and looking over show dates published in the Industrious Hen and other out of Texas poultry papers I note the large number of shows to be held in other States in places where they have not been held in recent years. This is a splendid indication that more people than ever before are interested in fancy poultry. Here in the far Southwest, notwithstanding the high price of feed, the demand for good birds is great. The extreme high price of feed is entirely unjustified, for the grain crop of the past season has been unusually large; however, the high prices of commercial poultry and eggs more than offset the increase in the price of feed. A neighbor of mine who maintains a flock of utility hens with pure Rhode Island Red male birds informed me that recently he sold at his door a lot of hens for market at an average of eighty cents each net, and eggs, even in midsummer, have never gone below fifteen cents per dozen here in the country. The farmer who raises his feed and keeps a good flock of hens and gives them anything like proper attention should realize a nice income from them.

At this time in the year, the poultrymen should watch his birds closely for symptoms of colds, which the freakish changes in the weather are likely to cause and which if neglected will quickly develop into a serious case of roup. Often colds among the flock are not noticeable in day time, but if one will go into the roosting places at night, the sneezing, wheezing and other symptoms of cold may be easily detected. The best cold

remedy I know of is permanganate of potash in drinking water. The first few years I read so much about the value of permanganate of potash as a tonic and remedy, I didn't have very much faith in it, but have lately concluded that the few times I had used it for any purpose that I did not make the solution strong enough.



**How To Succeed
With Poultry**

1917
Cynthia Lathrop
Cyphers Incubator Company

**Cyphers Co.'s Big
Free Book**

Contains everything you want to know about Incubators, Hovers, Foods, Supplies. 21 years leadership. Write today.

CYPHERS INCUBATOR CO., Dept. 13
Home Office and Factory: BUFFALO, N. Y.
Branch Stores and Warehouses:
New York, N. Y. Chicago, Ill. Dallas, Texas
Boston, Mass. Kansas City, Mo. Oakland, Cal.

**POORMAN'S
200 EGG STRAINS**

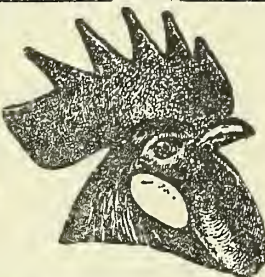
THE
WORLD'S
BEST
LAYERS



TRAP
NESTED
200 EGG
STRAIN

"LADY ALFARATA"
301 EGGS
STOCK, EGGS or BABY CHICKS
from my improved Laying Strains of
White and Barred Plymouth Rocks White Leghorns
S. C. and R. C. Rhode Island Reds
White and Buff Orpingtons White Wyandottes
and your Careful Attention Means your Success. This is your opportunity to procure a start from strains that have given entire satisfaction to over 4,500 customers in this and foreign countries. Write for my instructive, illustrated catalog. It has helped others and will undoubtedly help you.

JOHN G. POORMAN,
Box 350 Tinley Park, Illinois, U. S. A.



S. C. BROWN LEGHORNS

I have some splendid birds to offer you in cocks, hens, cockerels and pullets at reasonable prices. I guarantee satisfaction with every sale or a refund of your money. Can furnish you pens mated for best results, either old or young. Egg orders booked for later delivery. Circular free. Address

M. S. COPELAND,
Powell Station, R. F. D. No. 1 Tennessee

**Royal Blue Orpingtons—Black Orpingtons
Scranton S. C. Reds—Speckled Sussex**

Winners at Madison Square Garden, N. Y., Chicago Coliseum, Milwaukee, Greater Chicago, Indianapolis, this and former seasons. Our Fall Sale List tells about wonderful bargains in Reds and we have superb stock both young and old to sell in the other varieties—the kind that will help you win or breed winners. Birds with color, type, size and vigor. Write us today—it will pay you.

RAU & FRY,
HAWTHORNE POULTRY YARDS,
INDIANAPOLIS, INDIANA



By F. H. REILS, Tampa, Fla.

Reviewing our Year's Work.

WE ARE about to close another year's work in our poultry ventures and the time is appropriate to take stock of our results. This is the time of the year when we can do this with a minimum of labor if we have taken the precaution to keep an account with our birds, crediting them with all receipts and charging them with all costs of operation, feed, etc. It is absolutely necessary for us to employ system in this work as we do in all other lines of business, to enable us to know what we are doing, what we are profiting or losing, for some of us, I am sure, pay out more than we get back, and with an accounting system, simple even to an extreme, we are in a position to locate our short-comings and correct them another year.

It is a good time too, to find out what our advertising has cost us, and what it has produced. Here is where we can serve ourselves to good advantage, for I am sure that the mistake most of us make is on the side of too little rather than too much publicity. One can hardly charge up a paper an unsuccessful campaign if we have not used space judiciously. Intermittent advertising seldom produces results. It is the man who plugs away consistently that gets the returns. Of course, I do not expect a man to advertise who has not enough stock or eggs to sell to pay the cost of such publicity, but I would advise such a person to increase his holdings to that extent where an advertising campaign would be justified and would prove profitable.

While reviewing our work for the year, it might be well, too, to consider the introduction of new blood into our flocks. It is a good time to advertise our surplus males, either in exchange for other breeder's stock or for outright sale. The other fellow needs new blood just the same as you do.

The season just closing marks an era of high prices for both eggs and feed unprecedented in years. What this means to us may well be inferred when we consider the number of birds that have been sold in consequence of high feed prices. Many have closed out their flocks entire or have reserved only sufficient birds wherewith to make a new start under what they hope to be better conditions. For my part, I see no relief in the feed prices for some time to come. The European demand and the shortage in grain producing sections of the world makes it improbable that any relief may be expected until another crop year ends. What then, are we to do

to meet this emergency? That is a question that we must ponder and solve for ourselves. It is true that we are getting higher prices for commercial eggs, and it is now up to us to see that we get better prices for eggs for hatching, and when we say for hatching, we want to call the attention of breeders to the ruinously low prices that have ruled for day-old chicks, which we must change, and that at once, if we are going to keep pace with the expense we are forced to incur in their raising. The idea of selling day-old chicks for ten cents each when commercial eggs are worth 60 cents per dozen and going higher. We need seldom count on more than a 50 per cent hatch from all the eggs put in, which would mean that at commercial market prices these chicks would cost us 12 cents, without operating expenses considered at all. Then add cost of boxing; carting to station, and a hundred other items that go with this business, and you may see where you are at. Better to sell at market rates than go to the trouble of incubating if you want to get any more after all this work and loss of time. But it is not necessary to sell chicks that low now. Twenty cents would not be excessive and would not be so considered if there were not always a few who would want to undersell their competitors.

Then, too, the advertiser in the South who comes in competition with Northern products, should stress the

advantages of buying nearer at home, of acclimated stock, of pure-bred stock as compared with the riff raff stuff that has been foisted on the public in the past, by hatcheries that bought eggs everywhere, regardless of breeding, and sold such produce to the unsuspecting.

That is part of our trouble; we have been too lax in our methods and it is time to take stock of our short-comings in time to avoid any repetition. It is better for us to speak plain, admit our faults and go to work to correct them now. I hope that many of our readers will go fully into these matters and meet the situation with courage and with the ambition to succeed. We may well take a lesson from those of our competitors who are doing well. Their system evidently works or they could not spend the money for advertising that they do.

And while we are considering these

Hens Lay More Eggs!

Chicks Make Better Broilers

when kept Free from Lice and Mites
Use the amazing germ-killer—destroyer of all insect pests—safe—don't taint meat. Increase hatch by disinfecting the incubator—spray nests and roosts.



Kills Lice and Mites

Increases egg production and cures common poultry diseases. Used by 50 Agricultural Colleges in U. S. and Canada. Sold under absolute guarantee to do all you want it to do—or your money back; no argument, just money. If it fails to meet severest test, it doesn't cost you a penny.

Special Trial Offer! Send 25 cents for eight ounces—or 50 cents for quart—full gallon, \$1.50—parcels post prepaid.

Zenoleum Lice Powder, big package, 25c parcels post prepaid. Write for Poultry Book, "Cause, Symptoms, and Treatment for all Poultry Diseases" FREE.

ZENNER DISINFECTANT CO.
660 Lafayette Ave. Detroit, Mich.

ROBERTSON'S POULTRY FARM

MILLEDGEVILLE ROAD, MACON, GEORGIA

Breeders of S. C. White Leghorns and White Plymouth Rocks. Get our new catalogue after January 1 for the asking, giving prices on our eggs for hatching and day-old chicks, from both exhibition and utility matings.

CALHOUN'S S. C. WHITE LEGHORNS

If your foundation stock is "Woodland Bred" you start right. A few yearling hens, cocks and cockerels yet for sale at right prices. Shipped on approval. This season's breeders best yet. Now booking orders for hatching eggs and chicks.

WOODLAND POULTRY FARM,

John R. Calhoun, Prop.,

Morristown, Tenn.



Diamond Headquarters



MATT IRION & SONS

JEWELERS AND OPTICIANS



Complete Line of Holiday Goods

Send for our new Catalog

Established 1872.

LOUISVILLE, KY.

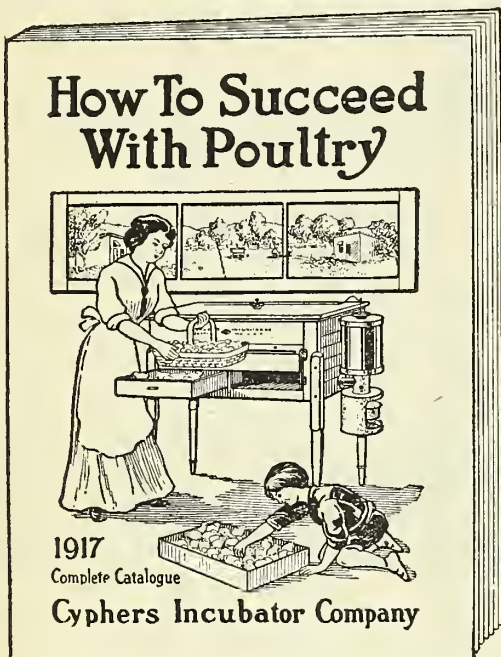


matters, don't neglect your home papers. Your loyalty belongs to them first. They are fighting your fight, oftentimes at an actual loss in money. Make up your mind to give them your patronage and if there is anything over, then it is time to share with the strangers outside of our gate.

Cyphers Company's New Year-Book.

The Cyphers Incubator Company announces its big new catalogue and poultryman's guide for 1917. "How to Succeed with Poultry" is the title of this interesting and valuable book of 140 pages. It not only describes the most complete line of incubators, brooders, hovers, foods and poultry supplies carried by any manufacturers in the world, but contains much general information that should be read by every poultryman.

Methods are changing rapidly these days, and the Cyphers Year-Book takes up these changes in detail and discusses what has been found most practical and efficient, including the recent radical changes in methods of brooding chicks.



There are special chapters for the farmer who keeps poultry, for the farmer's wife, for the backyard poultryman, and for those who are planning to go into poultry keeping on a large scale. Photos of many of the country's largest poultry plants are shown. A copy of this big book will be mailed free to each of our readers who will send for it. A postal will do. Send for your copy now before you forget it. Write direct to Cyphers Incubator Co., Dept. 13-W, Buffalo, N. Y., or their nearest branch store, located at New York City, Boston, Chicago, Kansas City, Dallas, Tex., and Oakland, Cal.

Farrar's Rhode Island Reds.

My business is real estate, my hobby is chickens, writes W. H. Farrar. I was raised on a farm, and my interest in chickens as a boy gave me the job of collecting the eggs and marketing of same. At that time I preferred the company of the barnyard fowl to that of other boys and even now I can't say that I have changed, as I can go to one of my hen parties and do and say what I please and when I leave I can go home and won't be talked about by my entertainers. I have raised every breed of chickens, but nine years ago I decided there was only one breed for me and that was Rhode Island Reds. After this nine years I am still more convinced they are the best breed in existence today. I am more convinced that those old Rhode Island egg farmers, who originated this breed, knew the kind of a chicken for eggs and meat. They certainly got the right combination in this grand bird, the Rhode Island Reds; there is no bird to excel them in thriftiness and natural beauty. It has been a great pleasure for me to see my birds from year to year develop into specimens as near perfect

as they are grown. It is pleasing to me to see the judges place the blue ribbon on my birds in the largest shows and in the hottest competition.

It is a great pleasure to me to hear from my proud customers who are winning in the show room with my strain of Reds. I hear so many of these reports that I have decided that it takes Farrar's Reds to win over a Farrar's Red in the show room.

Now don't think for a moment that you have to order your eggs from the North to get the best. My dear friend, if you only knew how many of those

CATARRH If you suffer with Catarrh, Bronchitis, Colds, Grip, Asthma, Weak Lungs or Throat Trouble, we have a treatment that will help you when all others have failed. Write for folder fully explaining this marvelous remedy. **Throat & Lung Remedy Co., Winder, Ga.**

TYPEWRITERS FOR POULTRYMEN A good typewritten letter is half of the battle in landing orders after you have received the inquiry. Let me tell you about the Oliver Typewriter. **Joseph P. Yotz, Route 1, Shawnee, Kans.**

WEDDING INVITATIONS AND SOCIAL STATIONERY

PRINTED OR ENGRAVED
Highest Class Work Let us save you Money
Send Us Copy for Estimate
HAMMER PRINTING CO.,
Incorporated
127 S. Third St. Louisville, Ky.

Foggs' S. C. White Leghorns

Bred to lay. Get our special prices on breeders and cockerels.
N. V. FOGG, Box 4250 Mt. Sterling, Ky.

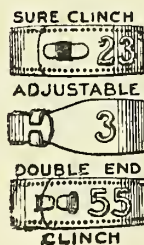
WHITE WYANDOTTES
Winners at Kentucky State Fair, 1916. Line bred for generations. From Chicago, Boston and Indianapolis winners. Let me quote you on either show or breeding birds, old or young. Splendid opportunity to get high class birds at reasonable prices. Address.
MRS. SABE GARY, Mayfield, Ky.

A BARGAIN IN LEGHORNS
One pen of S. C. White Leghorns containing three pullets and cockerel, price \$7.00; also two Brown Leghorn pullets at \$1.50 each. The birds are fully developed and now laying. They have splendid type and color. A bargain for some one. Order from this advertisement. Address.
J. E. STOREY, No. 400 Starks Bldg., LOUISVILLE, KY.

S. C. Rhode Island Reds and Indian Runner Ducks—Exhibition and utility qualities. Both Reds and Ducks were under the ribbons at the Kentucky State Fair. Eggs in season. Address:
W. A. RAMSEY
Buechel, Kentucky. R. F. D. No 11.

HIGH CLASS WHITE PLYMOUTH ROCKS AND S. C. WHITE LEGHORNS

The best breeds. Bred for business.
CHARLES HOLDER, Bridgeport, Ala



POULTRY BANDS

12 Varieties. Aluminum, with raised figures, price, 12, 15c, 25, 25c; 50, 35c; 100, 60c; 1,000, 4.25. Celluloid Bands in 8 different colors, with aluminum back, large black figures, price, 12, 30c; 25, 50c; 50, 90c; 100, 1.50. Send for FREE catalogue.

The National Poultry Band Co.,
Newport, Ky.

S. C. White and Brown Leghorns, S. C. Rhode Island Reds and Black Minorcas

I am offering some great bargains in both old and young stock in the above varieties. Get my prices before placing orders elsewhere for show or breeding birds. Address
J. R. SKAGGS, Magnolia, Kentucky

S. C. WHITE AND BROWN LEGHORNS

I have some extra nice cockerels to sell at \$2, \$3 and \$4 each in each variety and guarantee them to please you. I won at the Bowling Green Show 1st pen, 1st and 2d cockerel, 1st and 2d pullet and 1st and 3d hen in Browns. 1st and 2d cockerel, 1st pullet and 2d pen on Whites. Write me your wants.
POMONA POULTRY FARM, Emmett McGinnis, Prop., Bowling Green, Ky.

Just say you saw it in THE INDUSTRIOUS HEN.

big chicken breeders in the North buy their stock and prize winners from us breeders in the South, you would keep your money at home. But of course, you will have to learn this through experience. I will say to you that for several years I have bought eggs from the best breeders in the North at \$15.00 per setting, but I have never raised a chicken from these eggs that I would dare put into my breeding pens. The best Rhode Island Reds are raised in the South and a trial order will prove to you that I have as good as the best. See advertisement in this issue.

Vermillion's Reds Win at Memphis.

Mrs. J. F. Vermillion, Rusk, Texas, made a splendid winning at the Tri-State Fair, at Memphis, on Single Comb Rhode Island Reds, as follows: First and fifth cock; first and second hen; first, second and fifth cockerel; first and third pullet. This is a winning to be proud of and certainly proves the quality of this breeder's birds. Look up her advertisement in this issue and get her prices on stock and eggs.

POULTRYMEN GET THIS BOOK

A guide to standard poultry supplies, household necessities and general merchandise needed in every farm, or suburban home.

GALLOWAY INCUBATORS

Fully described and priced low. Complete power outfits illustrated, priced, described, engines, hone cutters, clover cutters, grinding mills, etc. Postal gets it. Ask today. Address
WM. GALLOWAY COMPANY, Box F Waterloo, Iowa

ESTABLISHED 1912

Don't Feed Green Food!

Do away with the bother by using **Succulenta Tablets**

They are better, cheaper and more relished by all fowl. Simply dissolve one tablet in one quart drinking water for fowl. A full egg basket assured.
Can of 100 large tablets by mail, \$0.50
" " 250 " " " 1.00
" " 500 " " " 1.75
" " 1000 " " " 3.00
YOUR MONEY BACK IF NOT SATISFIED.

Write for particulars, giving your dealer's name, to the **SUCCULENTA CO., P. O. Box 405-25 Newark, N. J.**

One Bu. Oats Makes 3 Bu. Green Feed

Get 50% More Eggs

TURN loafing hens into industrious layers—have eggs to sell at top-notch prices, by feeding sprouted grain. One bu. oats, wheat or rye makes 3 bu. of tempting, crisp green feed in the

"SUCCESSFUL"

Sectional Grain Sprouter

Knocks the feed problem into a cocked hat, takes care of young chicks too—makes them grow. Double steel walls—fireproof—cannot warp, shrink or swell. Lasts a lifetime. Write today for booklet and 1917 offer. Booklet on Proper Care of Chicks 10c.

DES MOINES INCUBATOR COMPANY
7193rd Street Des Moines, Ia.

Ask my competitors at Memphis and Chattanooga about the

Lake Forrest Strain of S. C. Reds

It takes a Farrar Red to win over Farrar Red. For nine years I have been perfecting this wonderful strain, the strain that makes the other fellow nervous when they enter the show room. They can't be defeated. Buy some of my stock and compare them with what you have been paying twice the price for from the Eastern breeder. Rhode Island Red, enough said the hens that lay in December as in May. Eggs \$3.00 (three dollars) per setting. Fifty cockerels for sale.

LAKE FORREST REDS

CHATTANOOGA

W. H. FARRAR

TENNESSEE

Scott's Anconas and Silver Campines



My beautiful and vigorous Ancona cockerels for sale at \$2, \$3 and \$5 each utility. Select breeders and exhibition birds quoted upon request. Three sweepstakes to their credit at three large shows exhibited at this fall. Our breeding pens will be better than ever before, the coming season. Customers receiving better quality for same old price, \$2, \$3 and \$5 per setting of 15 eggs. We will appreciate your order or inquiry. Two-cent stamp brings catalogue.

CEDAR HILL POULTRY FARM, H. A. SCOTT, Prop. Cumberland City, Tenn.

Buff Orpingtons, S. C. R. I. Reds and Barred Rocks

My stock is better this year than ever before. Yearling hens and cock birds at close prices. Cockerels and pullets in fine shape at \$10, \$15, \$20 and \$25 for pen of four pullets and one cockerel. Single cockerel, \$3, \$5, \$10; pullets, \$1.50, \$2.50, \$5.00. Am sold out on Barred Rocks except a few fine pullets. Correspondence solicited. Satisfaction guaranteed.

S. M. HARBISON,

No. 410 A Maple Ave,

Kentucky

Danville,

Incubators
Incubator Stoves
Brooders
Fountains
Poultry Remedies
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Leg Bands
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FOR POULTRY, PETS AND GARDEN
Complete Stock Write for Catalogue

HERMAN STRAUS & SONS CO.,
LOUISVILLE, KENTUCKY

Wire Netting
Automatic Feeders
Egg Cartons
Poultry Cartons
Dressed Poultry
Cartons
Baby Chick Cartons
Vegetable Cartons
Garden Seed

Vermillion's S. C. Rhode Island Reds

Are sustaining their reputation of Championship Winners in the big shows. At Memphis, Tenn., 1916, we won: 1st, 5th cock; 1st, 2d, 5th cockerel; 1st, 2d hen; 1st, 3d pullet; Grand Champion cockerel of entire show; handsome silver cup for best display of REDS and a number of other specials. At Texas State Fair, Dallas, 1916, which was State A. P. A. and State Red Show, we won the big end of all singles, pens and specials. Our customers are winning all over the country on birds they hatched and raised from our eggs. Our pens are now mated for the 1917 season. WRITE FOR CIRCULAR.

MRS. J. F. VERMILLION,
RUSK, TEXAS

QUALITY WILL TELL "Oaklawn Strain" White Plymouth Rocks

At the five shows where I exhibited this season I won 21 Firsts, 19 Seconds, 13 Thirds, 2 Fourths and 1 Fifth—a total of 56 prizes out of 66 entries. As the above facts prove, "OAKLAWN STRAIN" WHITE PLYMOUTH ROCKS hold their own wherever shown, as also in the egg-laying contests. My pen of pullets won two cups in the Missouri Egg-Laying Contest for 1914-1915. Stock for sale in singles, pairs, trios and pens, properly mated to produce the best there is in White Plymouth Rocks. Eggs for hatching from exhibition matings. Guarantee on stock "Satisfaction" or money refunded. On eggs "A Good Hatch"—you to be the judge. For illustrated mating and price list, address

W. B. JENKINS, PROP.,
OAKLAWN POULTRY YARDS, Glendale, Ky.



(Pat. Sept. 1, 1914.)

You Need This Band for Your Birds Just as Much as You Need Feed for them. You need them either to tell their age, or to keep your records right if you are trapnesting. The Bourne big-number bands are recommended for this as you do not have to catch the bird in order to read the number. Black numbers from 1 to 800 on white background. Numbers from 1 to 300 on red, yellow, cerise, green, pink, blue backgrounds. Sizes for Mediterraneans, Americans and Asiatics, also pigeons. Send for free sample and catalogue. We can furnish bands with the year "1915" and "1916" on them in order to tell the age of the bird. Send for sample and price list now.

BOURNE MANUFACTURING CO.,
253 Howard Street, Melrose, Mass.

S. C. Brown Leghorns

Winners at Georgia State Fair

1st, 2nd, 3rd, 4th and 5th Hen. Eggs for sale, \$2 per 15.

T. W. HIGGISON, MACON, GEORGIA

WHITE AND SILVER WYANDOTTES
Winners at Kentucky State Fair, Paducah, Mayfield, Fulton, etc. Am closing out all Silver Wyandottes. Splendid chance to get some good birds at greatly reduced prices in both varieties. Address Mrs. Sabe Gary, Mayfield, Ky.

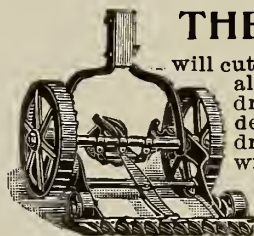
S. C. Rhode Island Reds

100 Cockerels . . . \$2, \$3, and \$5 each
100 Pullets . . . \$2, \$3 and \$5 each
Sired by 1st and 2d prize Tri-State Fair winners. You need the blood. I need the room.

GUY W. MOORE
1997 Central Avenue, Memphis, Tenn.

CRAGUN'S BUFF PLYMOUTH ROCKS AND GOLDEN BUFF ORPINGTONS

Winners. Cockerels and pullets for sale. Eggs for hatching. Won 13 ribbons State Fair, 1916.
JOHN A. CRAGUN, Kingman, Kansas



THE CLIPPER

will cut tall and short grass, do all trimming along walks, drives and fences. If your dealers haven't them, drop us a line and we will send circulars and prices.

Clipper Lawn Mower Co.
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Ferris White Leghorns

Best winter layers. 5000 pullets, hens and breeding males at low prices. Trap-nested to lay 200 eggs or more.

Shipped C. O. D. and on approval
Chicks and Eggs. Catalog explains all. Send postal.

GEO. B. FERRIS, 922 Union, Grand Rapids, Mich.

How To Get Winter Eggs

It's easy enough to get winter eggs when you know how to properly feed and care for your hens. Our Free Book, "Dollars and Sense in the Poultry Business," shows you how to get this valuable information, and how to obtain a complete poultry education, covering every phase of the business. Write today for a free copy.
AMERICAN SCHOOL OF POULTRY HUSBANDRY, Box 60, Leavenworth, Kan.



NO LICE

WITH LAMBERT'S

Old Reliable, Kill-Em-Quick Lice Exterminator, "Death to Lice" Sold everywhere. Everybody knows Lambert's. Saves young chicks, makes hens happy—Sample 10c. 100 oz. \$1. Book free. Get it. The Klein-Lambert Co., Traders Bldg., Chicago

PRICES CUT ONE-HALF LOMBARDY HEIGHTS POULTRY FARM

Breeders, Exhibitors and Importers of Prize Winners of the Highest Type of

S. C. White Leghorns, S. C. Buff Leghorns, Blue Andalusians, White Plymouth Rocks, Buff Plymouth Rocks, Partridge Plymouth Rocks, Columbian Plymouth Rocks, Silver Penciled Plymouth Rocks, Barred Plymouth Rocks, Black Orpingtons, Blue Orpingtons, Silver Spangled Hamburgs, Dark Cornish, Lakenvelders, Light Brahmas, Wild Mallard Ducks, White Muscovy Ducks.

We are making very low prices on trios and pens of all varieties. Some extra fine show birds with from three to ten firsts to their credit at prices others ask for utility stock. Cocks and cockerels at prices to suit all. Must make quick house room for our young stock and offer the above pens and trios at less than really one-half their regular price. All stock guaranteed to please or money refunded. Send us your order direct from this ad, telling us just what you want, and get first choice. Or write for our large free catalog. We can please you. Address,

LOMBARDY HEIGHTS POULTRY FARM
JNO. O. REID, PROP., STANFORD, KENTUCKY

ANDERSON'S MINORCAS SWEEP HAGERSTOWN

Winning first and second cocks; first, second and third hens; first and second cockerels; first and third pullets; first old pen, and first young pen. Special for best Minorca Male and special for best Minorca female in show. Some record. A few cockerels left. Write quick.

R. H. ANDERSON,
LYNCHBURG, VIRGINIA

S. C. WHITE LEGHORNS BUFF PLYMOUTH ROCKS
Eggs \$1.50 per setting, Chicks 15 cts. each. Eggs \$1.50 per setting, Chicks 20 cts. each.

For Sale Stock, Eggs and Day Old Chicks

PINEY HILL POULTRY YARDS, Jno. G. Fletcher, Prop., Member A. P. A.
NORTH CHATTANOOGA, TENNESSEE



BLUE GRASS S. C. WHITE LEGHORNS

Winners at Madison Square Garden, Central Palace, Boston, Allentown, Memphis, Chattanooga, Louisville, Lexington and other large shows. I have some grand cockerels and pullets with splendid type, color, comb, etc., at reasonable prices that will please you. Will also sell a few of my last year's winning birds. Let me quote you prices. Birds sent on approval and satisfaction guaranteed or no sale. Am now booking orders for eggs for December and January delivery from these great winners. Address:

BLUE GRASS WHITE LEGHORN FARM,
W. BARROW, Pres. ED. ODER, Mgr. E. B. WREN, Sec. & Treas.
LEXINGTON, KENTUCKY.



SPIRALETS: Colored Leg Bands. Millions in Use. Blue, red, yellow, green, pink, amber, purple, black, white. 25, 25c; 50, 45c; 100, 70c; 250, \$1.50. Please state breed when ordering.

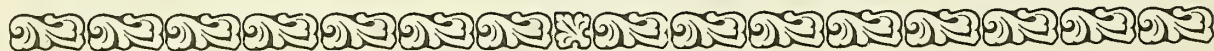
M. BAYERDORFFER, Box 59 Huguenot Park, N. Y.

S. C. WHITE LEGHORNS

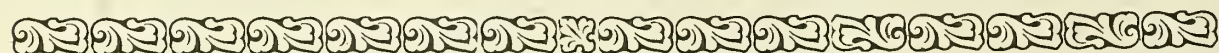
At very low prices from my excellent stock of Prize Winners. Don't wait, for they are going. I can please you. Pullets \$1.25 each; six for \$7.00; 12 for \$13.00. Hens for breeders \$1.00 each; six for \$5.50; 12 for \$11.00. Extra fine cockerels at \$2.00, \$3.00 and \$4.00 each.

FAIRVIEW POULTRY YARDS
D. Kies, Proprietor, Norwalk, Ohio

Secretary's Entry Book



A very compact book, size 8½ x 8½ inches, giving ample space for making entries without crowding. Printed on best quality paper and handsomely bound. Our simple labor-saving system of special indexing is a feature that adds much to the book and affords a great saving of time in making entries. 100 Leaves \$2.00:



THE INDUSTRIOUS HEN, - - - Louisville, Ky.